General Motors Upfitter Integration

BODY BUILDER MANUAL

FOR

2018

CHEVROLET FULL SIZE SUVs

(CHEVROLET TAHOE/SUBURBAN, GMC YUKON/YUKON XL, CADILLAC ESCALADE)

ELECTRICAL SECTION

General Motors Upfitter Integration

Note to User:
As part of our mission to provide an up-to-date website that includes detailed Body Builder Manuals, Technical Bulletins, and Best Practice Manuals, we are now using sectional excerpts directly from the General Motors Service Information publications for our Electrical Body Builder Manuals.

You will note that the section numbers are non-sequential as we have provided only those that are believed to be the most pertinent to the Upfitter community and best suited to their needs.*

This new usage of the Service Information provides the opportunity for us to remain consistent with the changes that take place throughout the model year and to provide you updated information in a more timely fashion.

**** If you would like to have access to all of the electrical Service Information, please apply for a subscription from ACDelco at http://acdelcotechconnect.com/html/tss_tech_esi.jsp***

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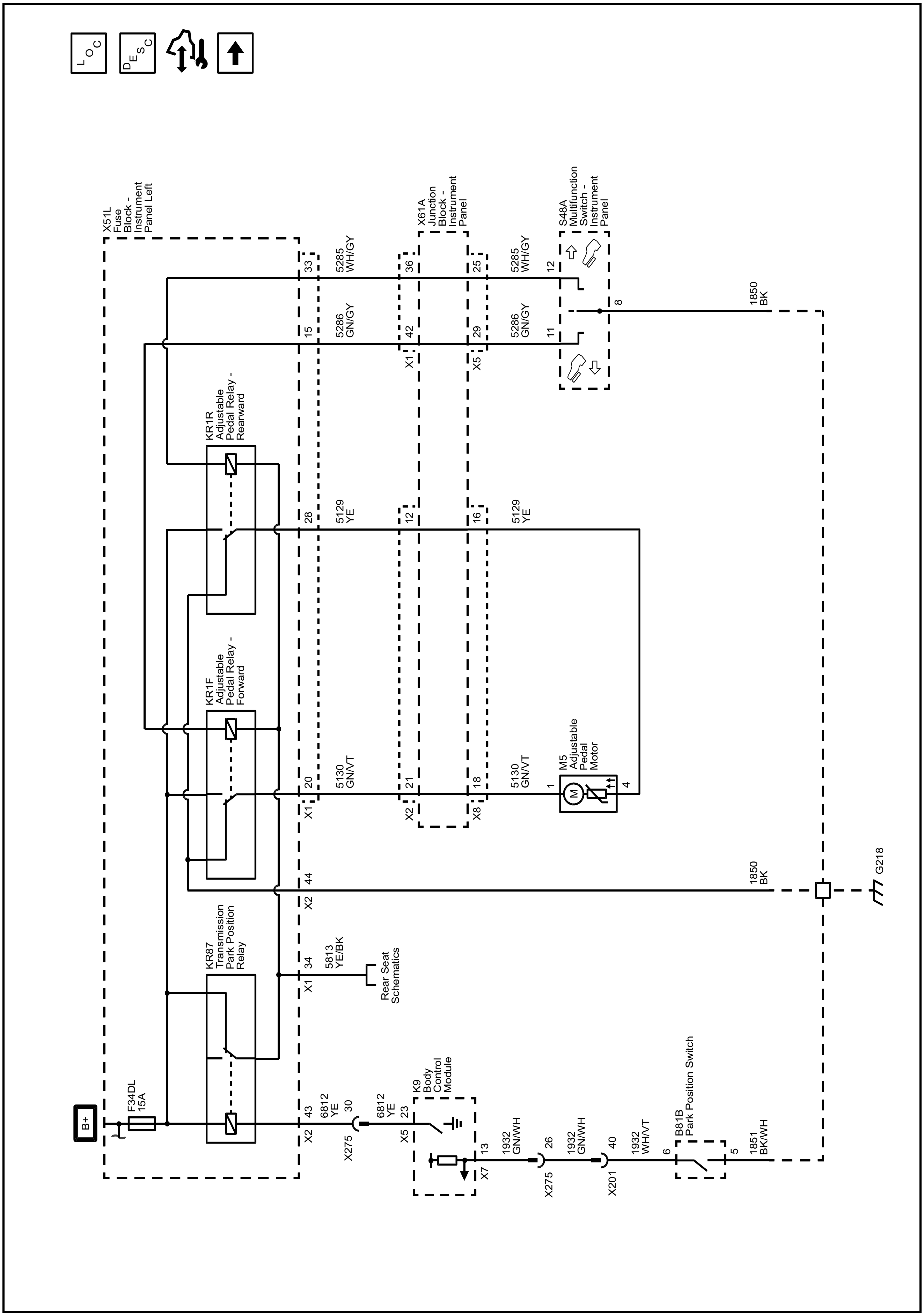
Adjustable Pedals

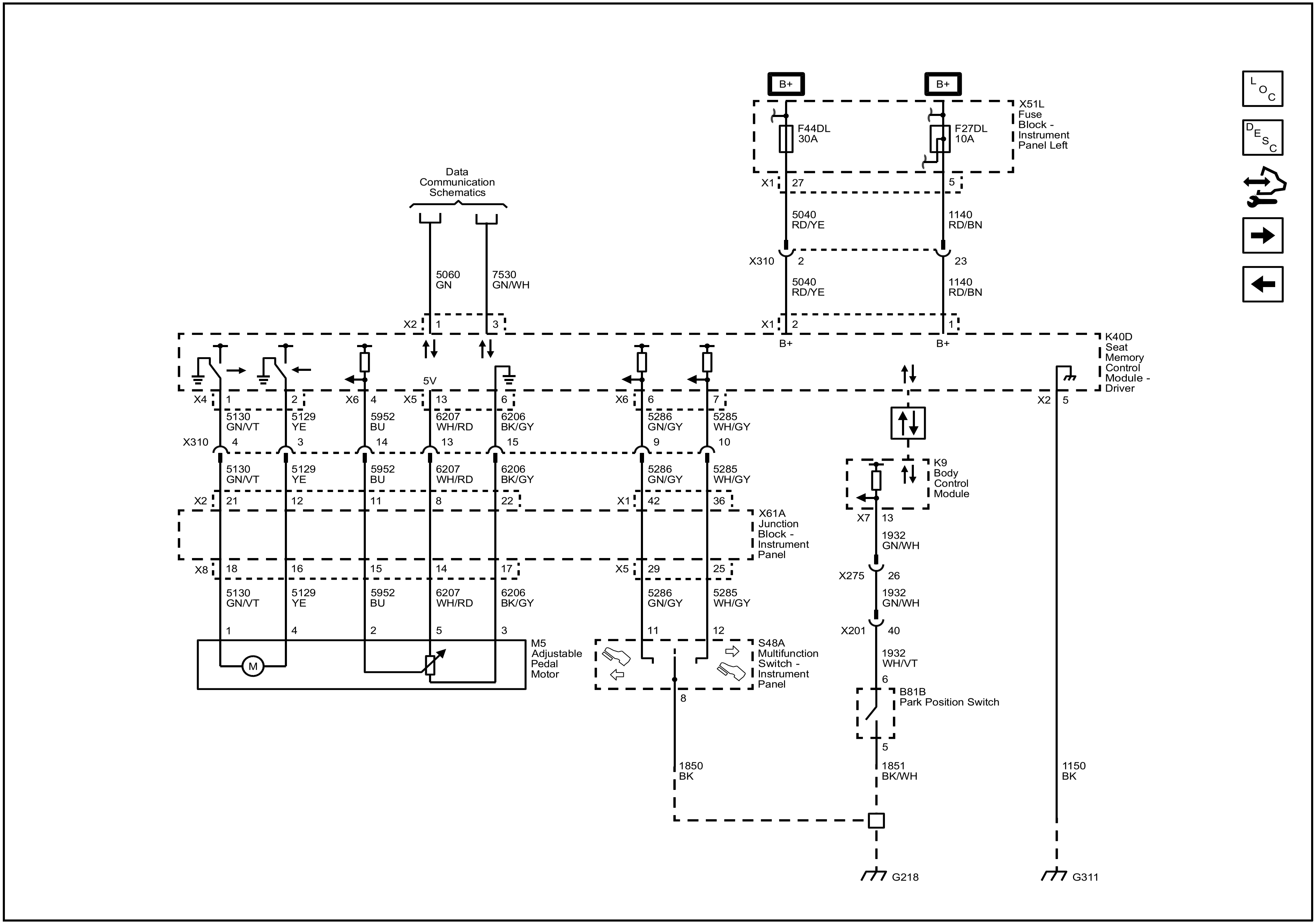
Schematic and Routing Diagrams

Adjustable Pedal Schematics (Adjustable Pedals (JF4 without A45))



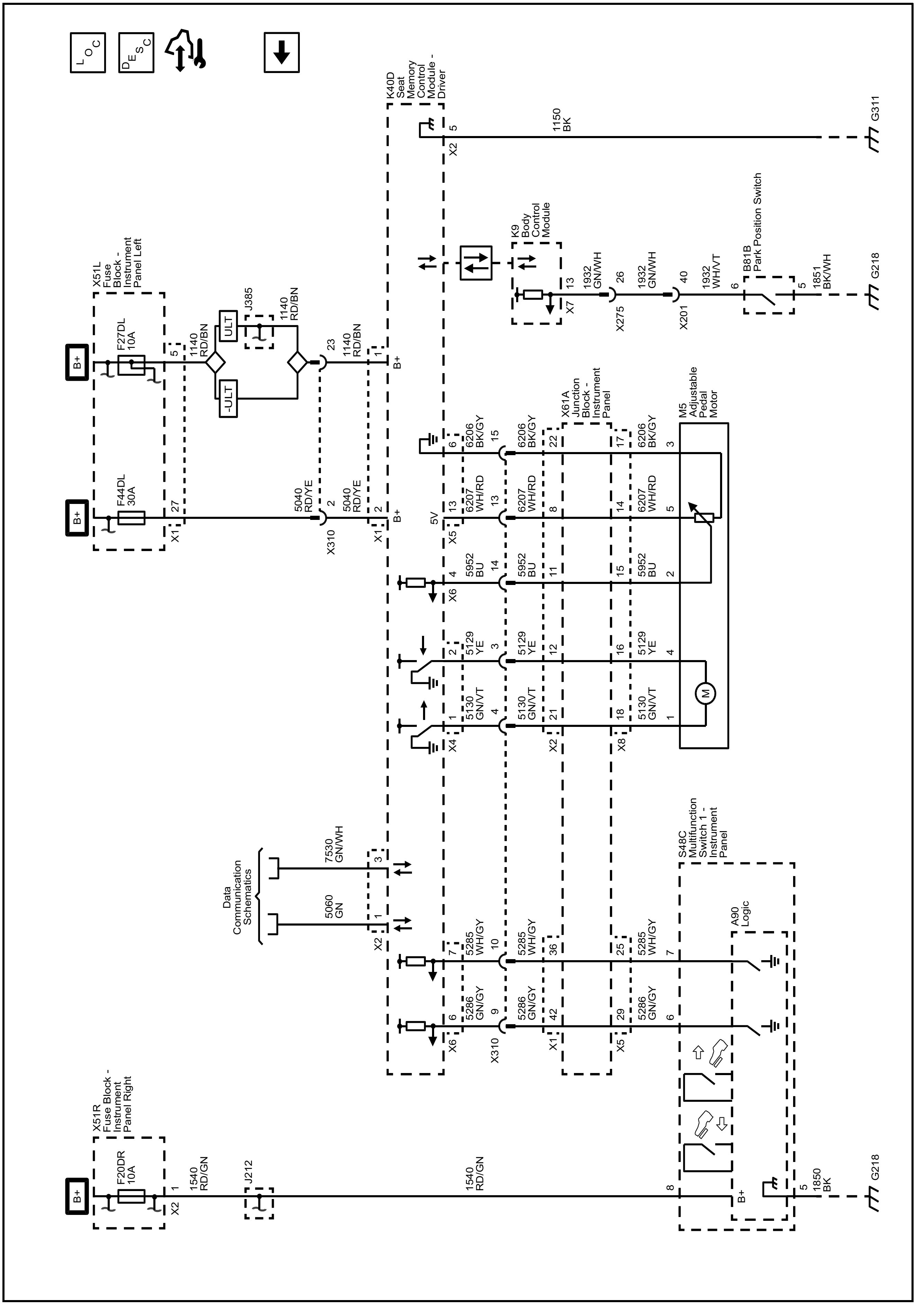
4683609
X51L Fuse Block - Instrument Panel Left
B+
F34DL 15A
KR87 Transmission Park Position Relay
KR1F Adjustable Pedal Relay - Forward
KR1R Adjustable Pedal Relay - Rearward
X2 43
X1 34
X2 44
X1 20
28
15
33
6812 YE
30 X275
6812 YE
23 X5
5813 YE/BK
Rear Seat Schematics
5130 GN/VT
5129 YE
5286 GN/GY
5285 WH/GY
X61A Junction Block - Instrument Panel
36
X1 42
12
X2 21
25
X5 29
16
X8 18
S48A Multifunction Switch - Instrument Panel
12
11
8
1850 BK
M5 Adjustable Pedal Motor
1
4
G218
K9 Body Control Module
13 X7
1932 GN/WH
26 X275
1932 GN/WH
40 X201
1932 WH/VT
B81B Park Position Switch
6
5
1851 BK/WH

Adjustable Pedal Schematics (Adjustable Pedals (X88 or Z88 with JF4 and A45))


B+
B+
F44DL
30A
F27DL
10A
X51L
Fuse
Block -
Instrument
Panel Left
X1
27
5
5040
RD/YE
1140
RD/BN
X310
2
23
5040
RD/YE
1140
RD/BN
X1
2
1
B+
B+
Data
Communication
Schematics
5060
GN
7530
GN/WH
X2
1
3
K40D
Seat
Memory
Control
Module -
Driver
5V
X4
1
2
X6
4
X5
13
6
X6
6
7
X2
5
5130
GN/VT
5129
YE
5952
BU
6207
WH/RD
6206
BK/GY
5286
GN/GY
5285
WH/GY
X310
4
3
14
13
15
9
10
5130
GN/VT
5129
YE
5952
BU
6207
WH/RD
6206
BK/GY
5286
GN/GY
5285
WH/GY
X2
21
12
11
8
22
X1
42
36
X61A
Junction
Block -
Instrument
Panel
X8
18
16
15
14
17
X5
29
25
5130
GN/VT
5129
YE
5952
BU
6207
WH/RD
6206
BK/GY
5286
GN/GY
5285
WH/GY
1
4
2
5
3
11
12
M
M5
Adjustable
Pedal
Motor
S48A
Multifunction
Switch -
Instrument
Panel
8
1850
BK
K9
Body
Control
Module
X7
13
1932
GN/WH
X275
26
1932
GN/WH
X201
40
1932
WH/VT
6
B81B
Park Position Switch
5
1851
BK/WH
1150
BK
G218
G311

4683744

Adjustable Pedal Schematics (Adjustable Pedals (Z75))


4683839
LOC
DESC
X51L Fuse Block - Instrument Panel Left
B+
F27DL 10A
F44DL 30A
5
27
X1
1140 RD/BN
ULT
-ULT
J385
1140 RD/BN
23
1140 RD/BN
1
B+
5040 RD/YE
2
X310
5040 RD/YE
2
X1
B+
K40D Seat Memory Control Module - Driver
X2
5
1150 BK
G311
K9 Body Control Module
X7
13
1932 GN/WH
X275
26
1932 GN/WH
X201
40
1932 WH/VT
6
B81B Park Position Switch
5
1851 BK/WH
G218
5V
X5
13
6207 WH/RD
13
6207 WH/RD
8
14
6207 WH/RD
5
6
6206 BK/GY
15
6206 BK/GY
22
X61A Junction Block - Instrument Panel
17
6206 BK/GY
3
M5 Adjustable Pedal Motor
X6
4
5952 BU
14
5952 BU
11
15
5952 BU
2
2
5129 YE
3
5129 YE
12
16
5129 YE
4
M
X4
1
5130 GN/VT
4
5130 GN/VT
X2
21
X8
18
5130 GN/VT
1
Data Communication Schematics
7530 GN/WH
3
5060 GN
1
X2
7
5285 WH/GY
10
5285 WH/GY
36
25
5285 WH/GY
7
X6
6
5286 GN/GY
X310
9
5286 GN/GY
X1
42
X5
29
5286 GN/GY
6
S48C Multifunction Switch 1 - Instrument Panel
A90 Logic
X51R Fuse Block - Instrument Panel Right
B+
F20DR 10A
X2
1
1540 RD/GN
J212
1540 RD/GN
8
B+
5
1850 BK
G218

Description and Operation

Adjustable Pedals Description and Operation (Without A45)

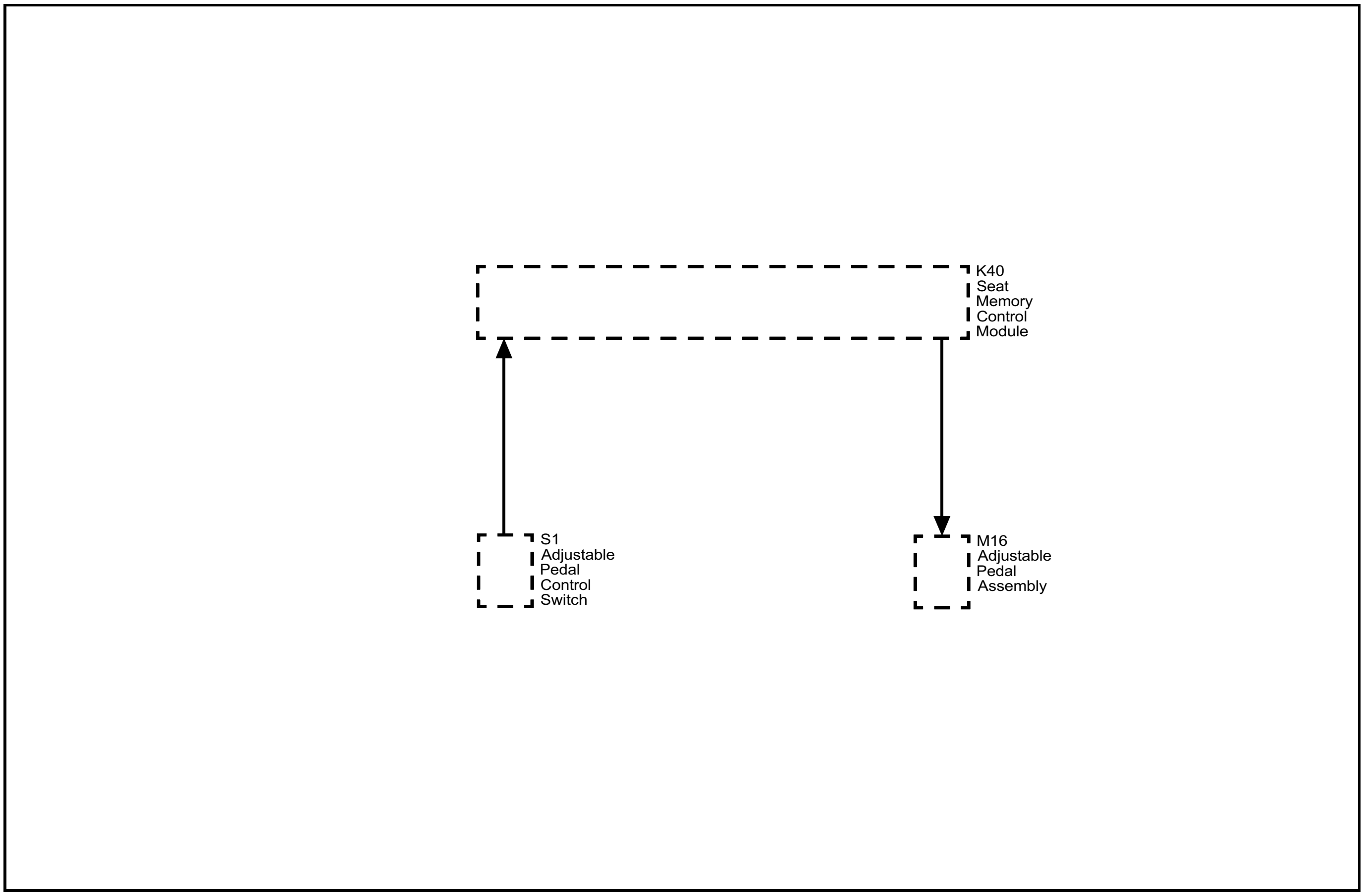
The adjustable pedals system is controlled by the adjustable pedals switch and the adjustable pedals relay and operation can occur only while the transmission selector lever is in the park position. The adjustable pedals assembly is moved forward or rearward by a motor which is fixed to the brake pedal actuator with a drive cable to the accelerator pedal actuator. In an inactive state both of the outputs to the motor are closed to ground. The adjustable pedals switch controls the adjustable pedals relay by applying battery voltage to one of the coils. The adjustable pedals motor is bidirectional and the direction of the pedal assembly travel is determined by which of the relay output circuits is switched to battery positive voltage while the other remains grounded. The adjustable pedals system uses the same motor and sensor assembly even when it is not equipped with the memory seats. The adjustable pedals position sensor is not used and does not have any circuits connected. The adjustable pedals position manually controlled by activating the switch in the forward or rearward direction until the desired position is reached.

Adjustable Pedals Description and Operation (With A45)

Adjustable Pedals System Components

The adjustable pedals system consists of the following components:

- The multifunction switch – instrument panel
- The seat memory control module
- The adjustable pedal motor
- The adjustable pedal position sensor



3470992

Adjustable Pedals System Operation

The adjustable pedals are not operable when the cruise control is engaged.

The adjustable pedal system is controlled by the seat memory control module. The adjustable pedals are moved forward or backward by a motor which is fastened to the brake pedal assembly with drive cables to the brake and accelerator pedal actuators.

The adjustable pedal motor is controlled by the seat memory control module through two motor control circuits. In an inactive state both control circuits are closed to ground within the module. The seat memory control module drives the adjustable pedal motor in the forward or rearward direction by closing the appropriate control circuit to battery voltage. The adjustable pedal motor is bidirectional and the direction of the pedal assembly travel is determined by which of the motor control circuits is switched to battery voltage while the other remains grounded.

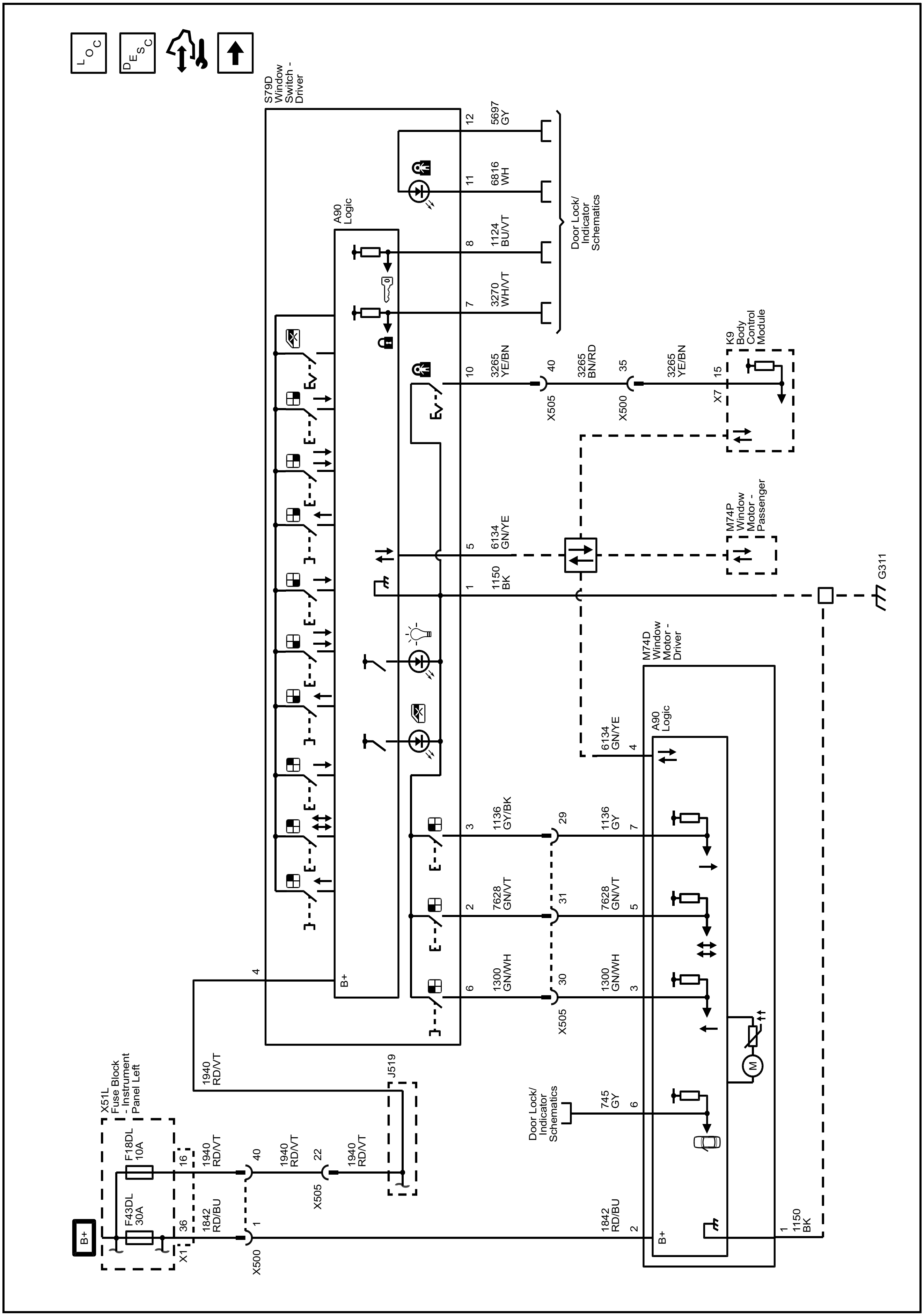
The adjustable pedal forward and rearward switches are inputs to the module. Battery voltage is supplied to the switch from the seat memory control module. When the switch is operated to the forward or rearward direction the forward or rearward switch signal circuit is closed to the battery voltage circuit. Battery voltage on a switch signal circuit indicates to the seat memory control module that the switch is active.

The seat memory control module monitors the locations of the adjustable pedals using the adjustable pedal position sensor. The position sensor is supplied with a 5 V reference and ground circuit from the seat memory control module. The position sensor signal circuit is referenced from ground within the module. The position sensor signal circuit voltage levels are used by the seat memory control module to determine the positions of the adjustable pedals when storing or recalling memory position settings.

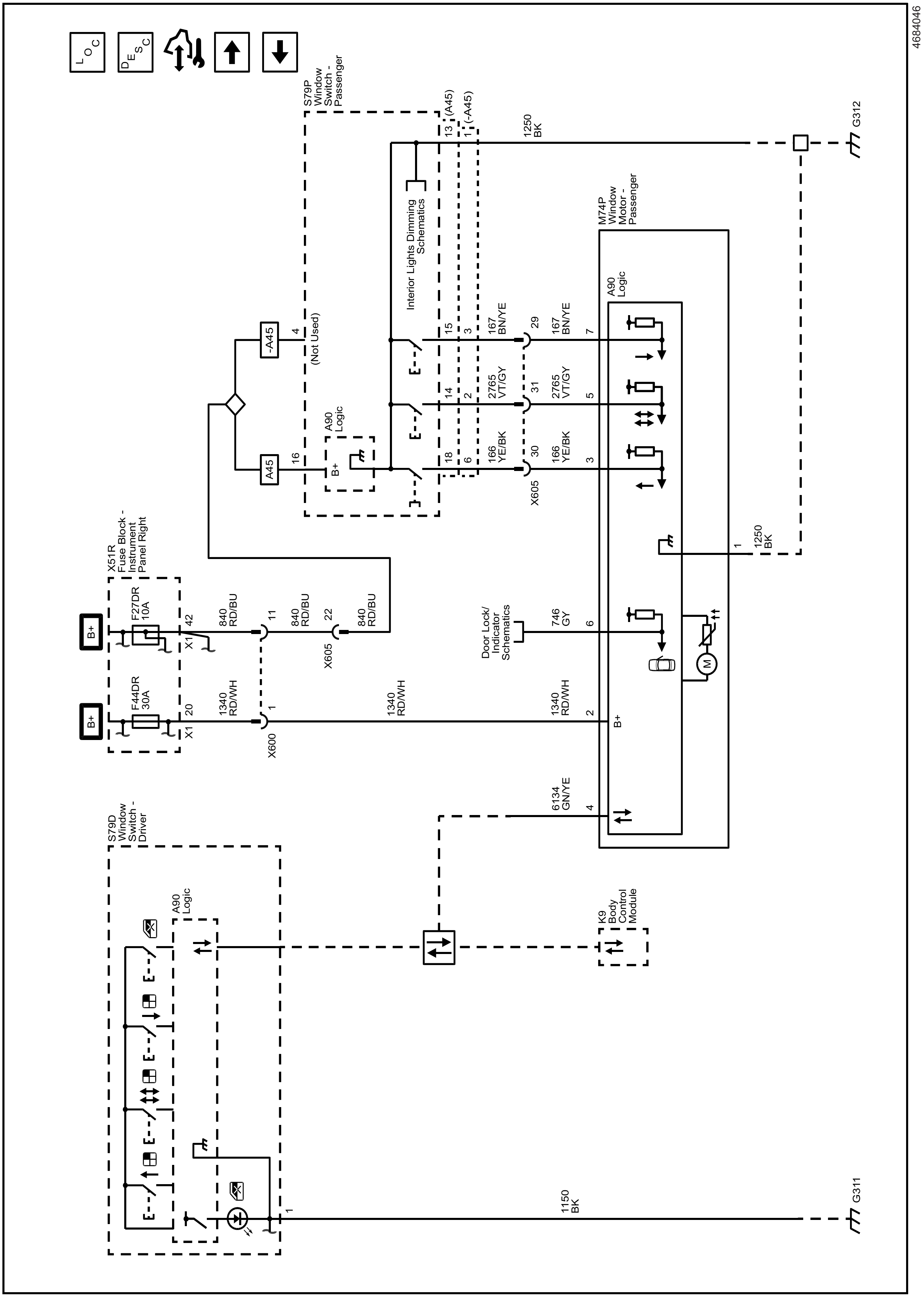
Fixed and Moveable Windows

Schematic and Routing Diagrams

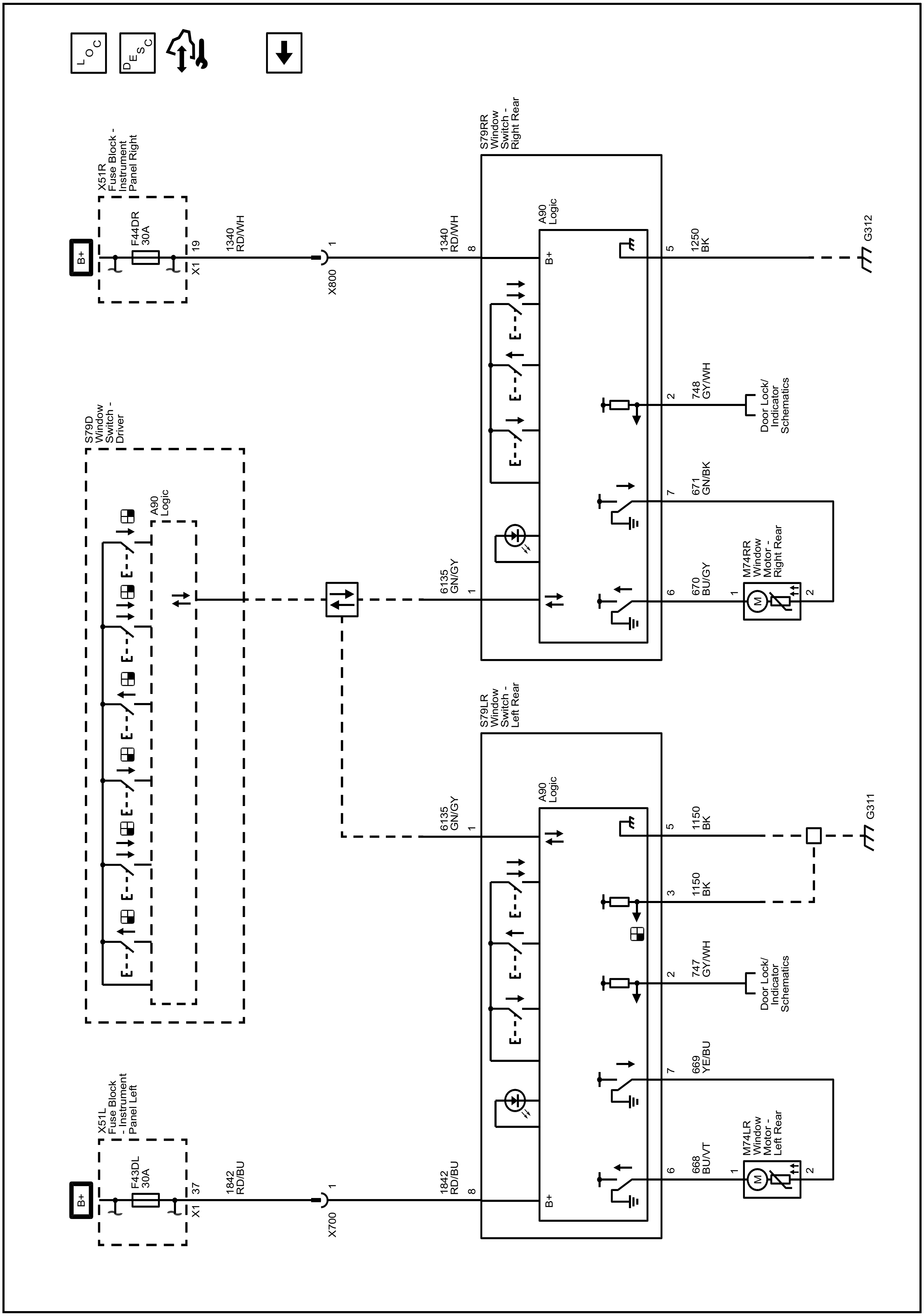
Moveable Window Schematics (Driver)


LOC
DESC
S79D Window Switch - Driver
A90 Logic
B+
4
12
5697 GY
11
6816 WH
8
1124 BU/VT
7
3270 WH/VT
Door Lock/ Indicator Schematics
10
3265 YE/BN
X505
40
3265 BN/RD
X500
35
3265 YE/BN
X7
15
K9 Body Control Module
5
6134 GN/YE
M74P Window Motor - Passenger
1
1150 BK
G311
M74D Window Motor - Driver
A90 Logic
6134 GN/YE
4
3
1136 GY/BK
29
1136 GY
7
2
7628 GN/VT
31
7628 GN/VT
5
6
1300 GN/WH
30
1300 GN/WH
3
X505
M
Door Lock/ Indicator Schematics
745 GY
6
1842 RD/BU
2
B+
1
1150 BK
X51L Fuse Block - Instrument Panel Left
F18DL 10A
F43DL 30A
B+
16
36
X1
1940 RD/VT
40
1940 RD/VT
22
X505
1940 RD/VT
J519
1940 RD/VT
1842 RD/BU
1
X500
4683959

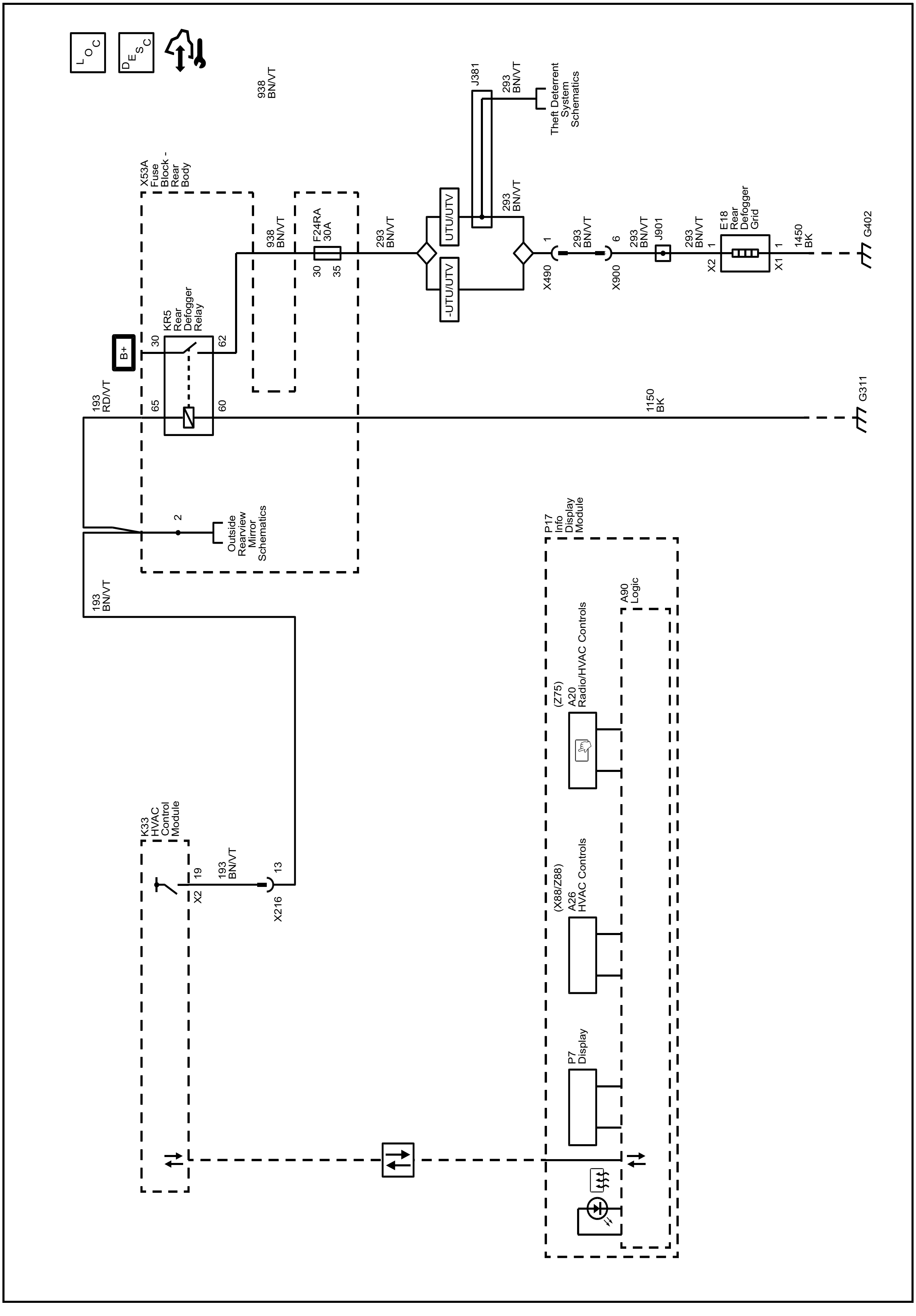
Moveable Window Schematics (Passenger)


4684046
LOC
DESC
S79P Window Switch - Passenger
(A45)
(-A45)
13
1
1250 BK
G312
Interior Lights Dimming Schematics
M74P Window Motor - Passenger
A90 Logic
-A45
4
(Not Used)
A45
16
B+
15
3
167 BN/YE
29
167 BN/YE
7
14
2
2765 VT/GY
31
2765 VT/GY
5
18
6
166 YE/BK
30
166 YE/BK
3
X605
1
1250 BK
X51R Fuse Block - Instrument Panel Right
B+
F27DR 10A
X1
42
840 RD/BU
11
840 RD/BU
22
X605
840 RD/BU
Door Lock/ Indicator Schematics
746 GY
6
M
B+
F44DR 30A
X1
20
1340 RD/WH
1
X600
1340 RD/WH
1340 RD/WH
2
B+
6134 GN/YE
4
S79D Window Switch - Driver
A90 Logic
K9 Body Control Module
1
1150 BK
G311

Moveable Window Schematics (Rear Doors)


4684146
LOC
DESC
B+
X51R
Fuse Block - Instrument Panel Right
F44DR
30A
X1 19
1340
RD/WH
1
X800
1340
RD/WH
8
S79RR
Window Switch - Right Rear
A90
Logic
B+
5
1250
BK
G312
2
748
GY/WH
Door Lock/ Indicator Schematics
7
671
GN/BK
M74RR
Window Motor - Right Rear
M
1
2
6
670
BU/GY
6135
GN/GY
1
S79D
Window Switch - Driver
A90
Logic
S79LR
Window Switch - Left Rear
A90
Logic
6135
GN/GY
1
5
1150
BK
G311
3
1150
BK
2
747
GY/WH
Door Lock/ Indicator Schematics
7
669
YE/BU
M74LR
Window Motor - Left Rear
M
1
2
6
668
BU/VT
B+
X51L
Fuse Block - Instrument Panel Left
F43DL
30A
X1 37
1842
RD/BU
1
X700
1842
RD/BU
8
B+

Defogger Schematics (Defogger)


4684257
L O C
D E S C
938 BN/VT
J381
293 BN/VT
Theft Deterrent System Schematics
X53A Fuse Block - Rear Body
938 BN/VT
F24RA 30A
30
35
293 BN/VT
UTU/UTV
-UTU/UTV
293 BN/VT
1
X490
293 BN/VT
6
X900
293 BN/VT
J901
293 BN/VT
E18 Rear Defogger Grid
1
X2
1
X1
1450 BK
G402
B+
30
KR5 Rear Defogger Relay
62
65
60
193 RD/VT
1150 BK
G311
2
Outside Rearview Mirror Schematics
193 BN/VT
P17 Info Display Module
A90 Logic
(Z75) A20 Radio/HVAC Controls
(X88/Z88) A26 HVAC Controls
P7 Display
K33 HVAC Control Module
19
X2
193 BN/VT
13
X216

Description and Operation

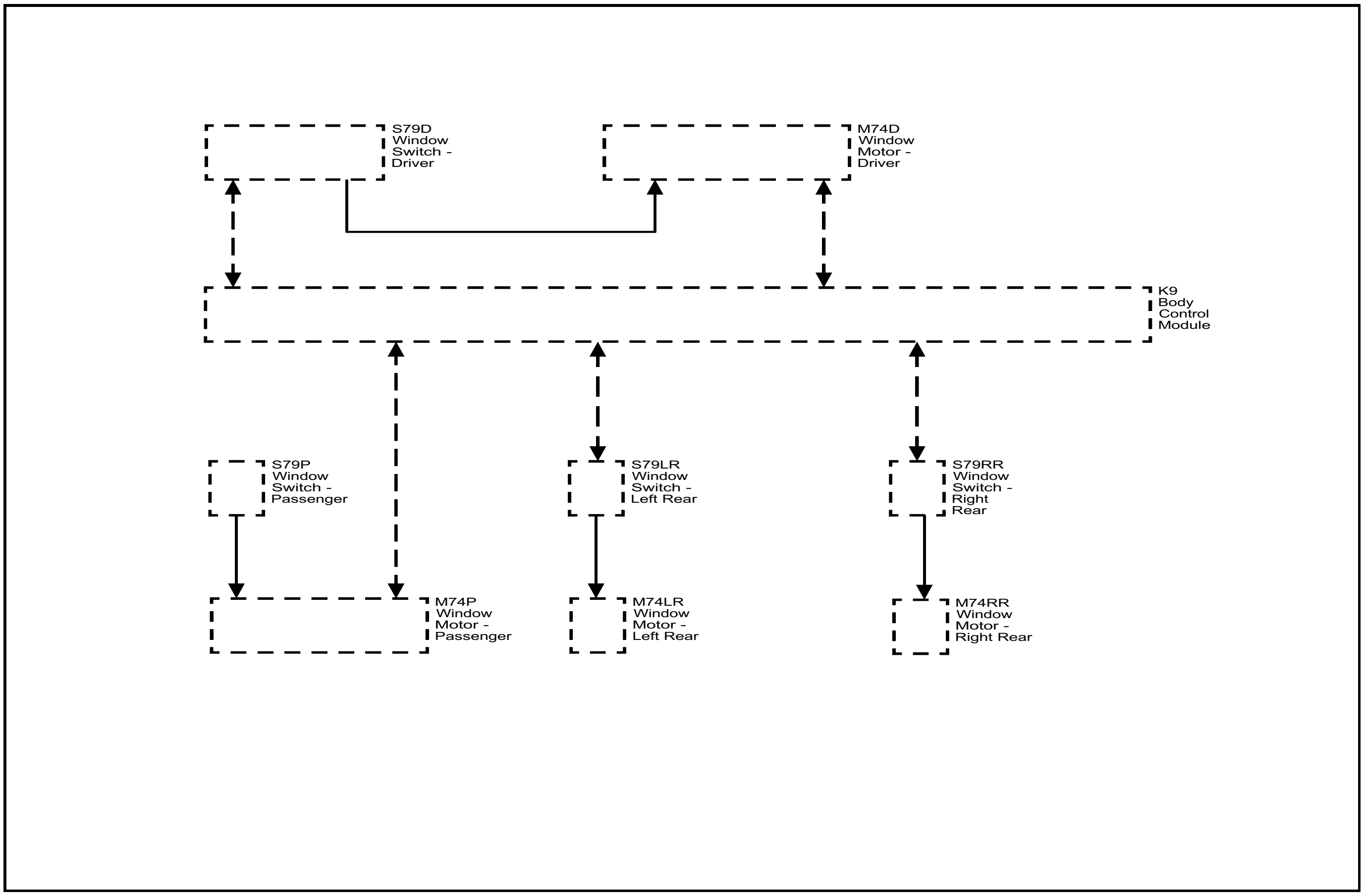
Power Windows Description and Operation

Power Windows System Components

The power window system consists of the following components:

- Driver window switch
- Passenger window switch
- Left rear window switch
- Right rear window switch
- Window motors in each of the doors
- 30A Fuse
- 5A Fuse
- 30A Fuse
- Body control module (BCM)

14 Power Windows AXG-AEF-AEQ Block Diagram


S79D Window Switch - Driver
M74D Window Motor - Driver
K9 Body Control Module
S79P Window Switch - Passenger
S79LR Window Switch - Left Rear
S79RR Window Switch - Right Rear
M74P Window Motor - Passenger
M74LR Window Motor - Left Rear
M74RR Window Motor - Right Rear

3461354

Driver and Passenger Express Up and Express Down Power Window Motors

The driver and passenger doors contains a window motor is smart motor that will detect excessive resistance while performing the express up function and automatically reverse direction to prevent injury to any occupants that may become trapped between the closing window and the door frame. The automatic reverse safety feature can be overridden by pulling and holding the window switch.

The logic circuit within the window motor monitors the up, down and express signal circuits which are normally equal to B+ voltage. When a switch is used on the window switch, the contacts close causing a voltage drop within the appropriate signal circuit. The window motor will detect the voltage drop and will command the window to move in the direction requested.

The driver window switch communicates to the BCM by a serial data circuit. When the driver wishes to control the passenger window, the driver will use the appropriate switch on the driver window switch. When this switch is used, a serial data message is sent to the BCM requesting the passenger window motor command, the BCM will then send a serial data message to the passenger window motor which will then move in the direction requested.

Left Rear, Right Rear Express Down Window Motors

For the right rear and left rear doors, when their window switch is pressed in the down position, battery positive voltage is applied to their respective window motor control circuit and ground to the other window motor control circuit causing that window to open. When the individual window switch is pulled in the up position, voltage and ground is applied to the window motor in the opposite direction causing that window to close. The return path to ground is supplied through the inactive control circuit being normally grounded through the window switch.

Each rear window switch communicates to the BCM by a serial data circuit. When the driver wishes to control the left rear or right rear window, the driver will use the appropriate switch on the driver window switch. When this switch is used, a serial data message is sent to the BCM requesting a window motor command, the BCM will then send a serial data message to the appropriate rear door window switch which will then command that window to move in the direction requested.

Lockout Switch Feature

The driver power window switch contains a window lockout switch, when the driver presses the window lockout switch, a serial data message is sent to the BCM which will send a disable command to the rear window switches, deactivating them. The rear windows will still function normally from the switches on the driver window switch.

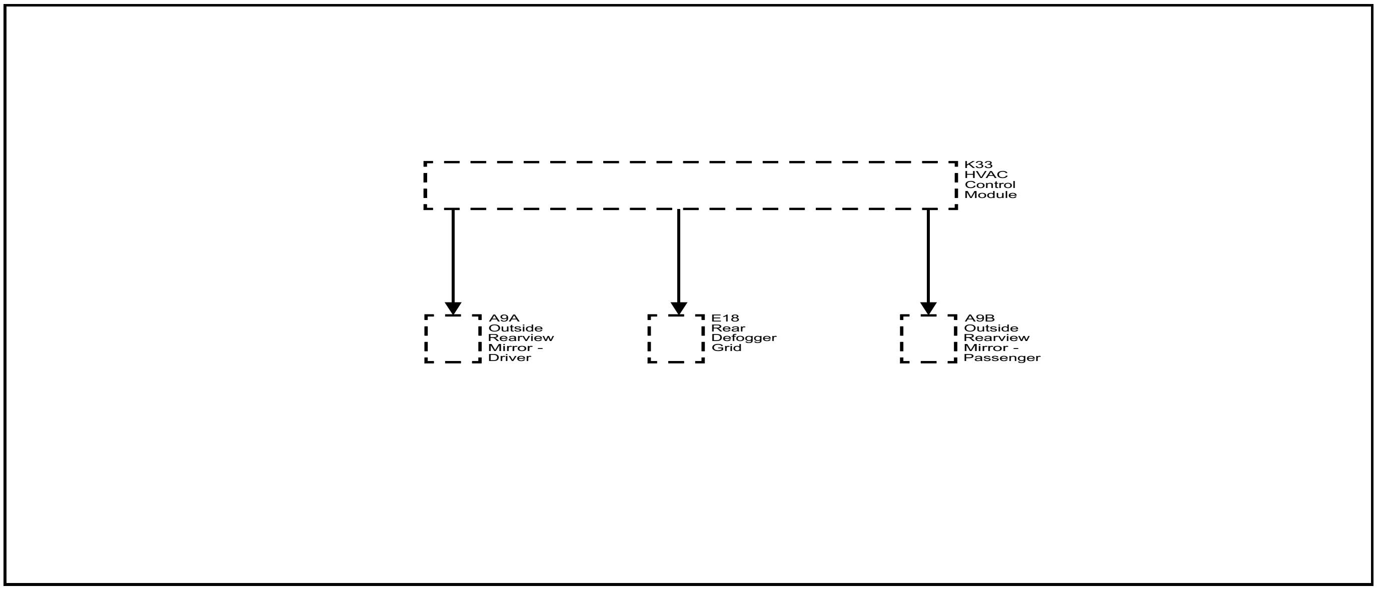
Rear Window Defogger Description and Operation

Rear Window Defogger System Components

The rear window defogger system consists of the following components:

- HVAC control module
- Rear defogger relay
- Rear defogger grid
- 40A fuse

Rear Window Defogger Block Diagram



3270437

Rear Window Defogger Operation

The rear defog control system utilizes a single zone backlight design, driven with a single relay configuration. Additionally, up to two outside rear view mirrors can be heated if equipped. A switch for the customer to control the system is provided within the HVAC control module, also included in the HVAC control module is an indicator to inform the customer with the current state of the system. The system is only operational when engine is running or during remote start.

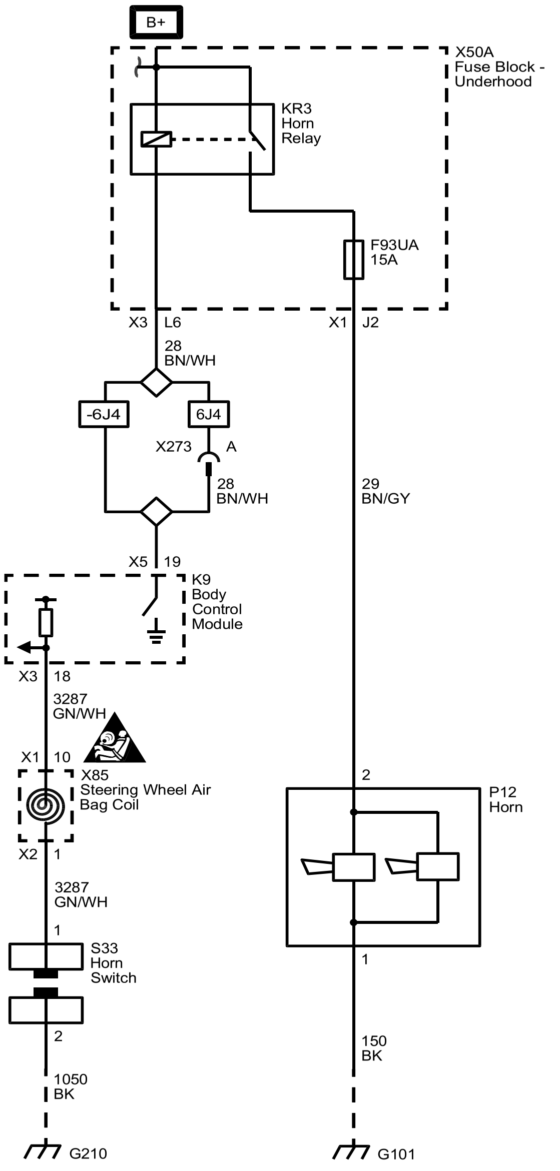
Pressing the heated rear window switch on the HVAC control module causes the HVAC control module to provide voltage to the coil side of the rear defogger relay, this will energize the relay causing the relay switch contacts to close allowing B+ voltage to flow through the rear defogger grid control circuit to the rear defogger grid.

When the rear heated rear window switch is pressed and the engine is running, the rear window defogger grid will activate and will turn off automatically depending upon the vehicle speed (refer to owner's manual for rear window defogger operation cycles)

Horns and Pedestrian Alerts

Schematic and Routing Diagrams

Horn Schematics (Horn)


B+
X50A
Fuse Block - Underhood
KR3
Horn
Relay
F93UA
15A
X3 L6
X1 J2
28
BN/WH
-6J4
6J4
X273
A
28
BN/WH
29
BN/GY
X5 19
K9
Body
Control
Module
X3 18
3287
GN/WH
X1 10
X85
Steering Wheel Air Bag Coil
X2 1
3287
GN/WH
1
S33
Horn
Switch
2
1050
BK
G210
2
P12
Horn
1
150
BK
G101

4684441

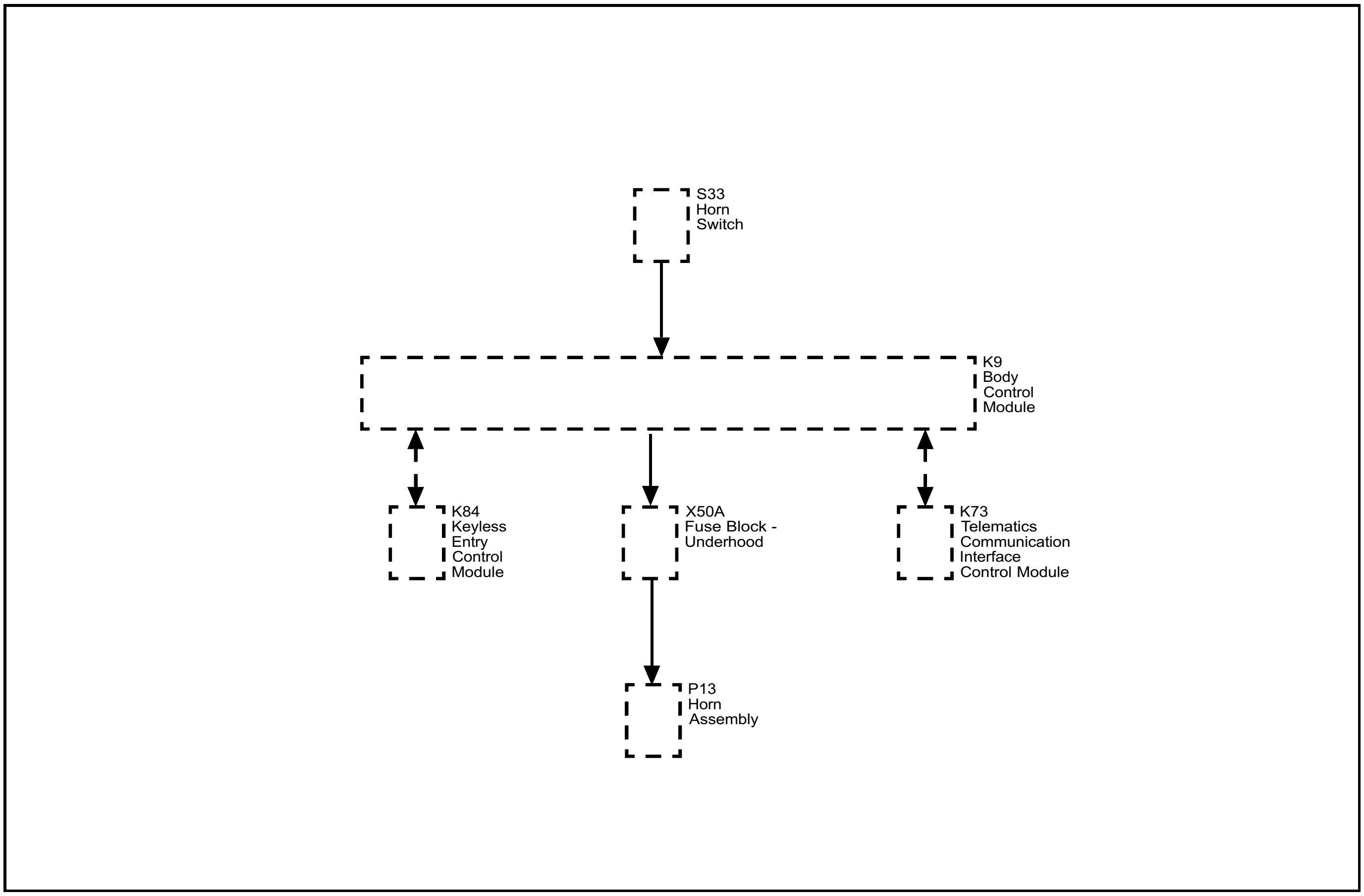
Description and Operation

Horns System Description and Operation

System Description

The horn system consists of the following components:

- HORN fuse
- Horn relay
- Horn switch
- Horn assembly
- Body control module (BCM)


S33
Horn
Switch
K9
Body
Control
Module
K84
Keyless
Entry
Control
Module
X50A
Fuse Block -
Underhood
K73
Telematics
Communication
Interface
Control Module
P13
Horn
Assembly
3270443

System Operation

The vehicle horn system is activated under the following conditions:

- When the horn switch is depressed
- The BCM commands the horns ON under any of the following conditions:
  - When the content theft deterrent system detects a vehicle intrusion.
  - When the panic button is depressed on the remote control door lock transmitter.
  - When the keyless entry system is used to lock the vehicle, a horn chirp may sound to notify the driver that the vehicle has been locked. The notification feature may be enabled or disabled through personalization.
  - When the OnStar® system is used to sound the horns if equipped—For further information.

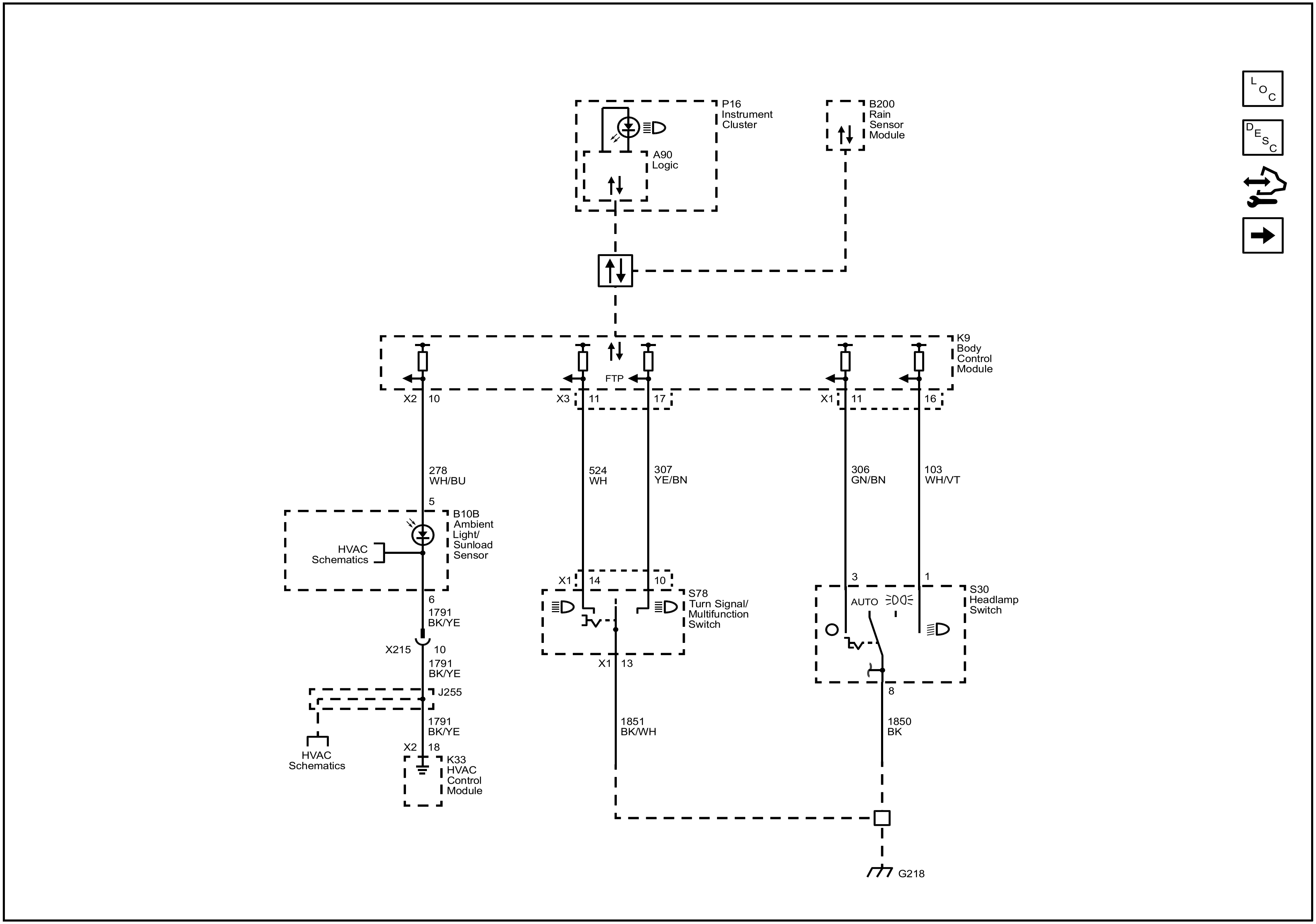
Circuit Operation

Battery positive voltage is applied at all times to the horn relay coil and the horn relay switch. Pressing either of the horn switches applies ground to the horn relay control circuit. The BCM may also apply ground to the horn relay control circuit as described above. When the horn relay control circuit is grounded, the horn relay is energized and battery positive voltage is applied to the horns through the horn control circuit. The horns sound as long as ground is applied to the horn relay control circuit.

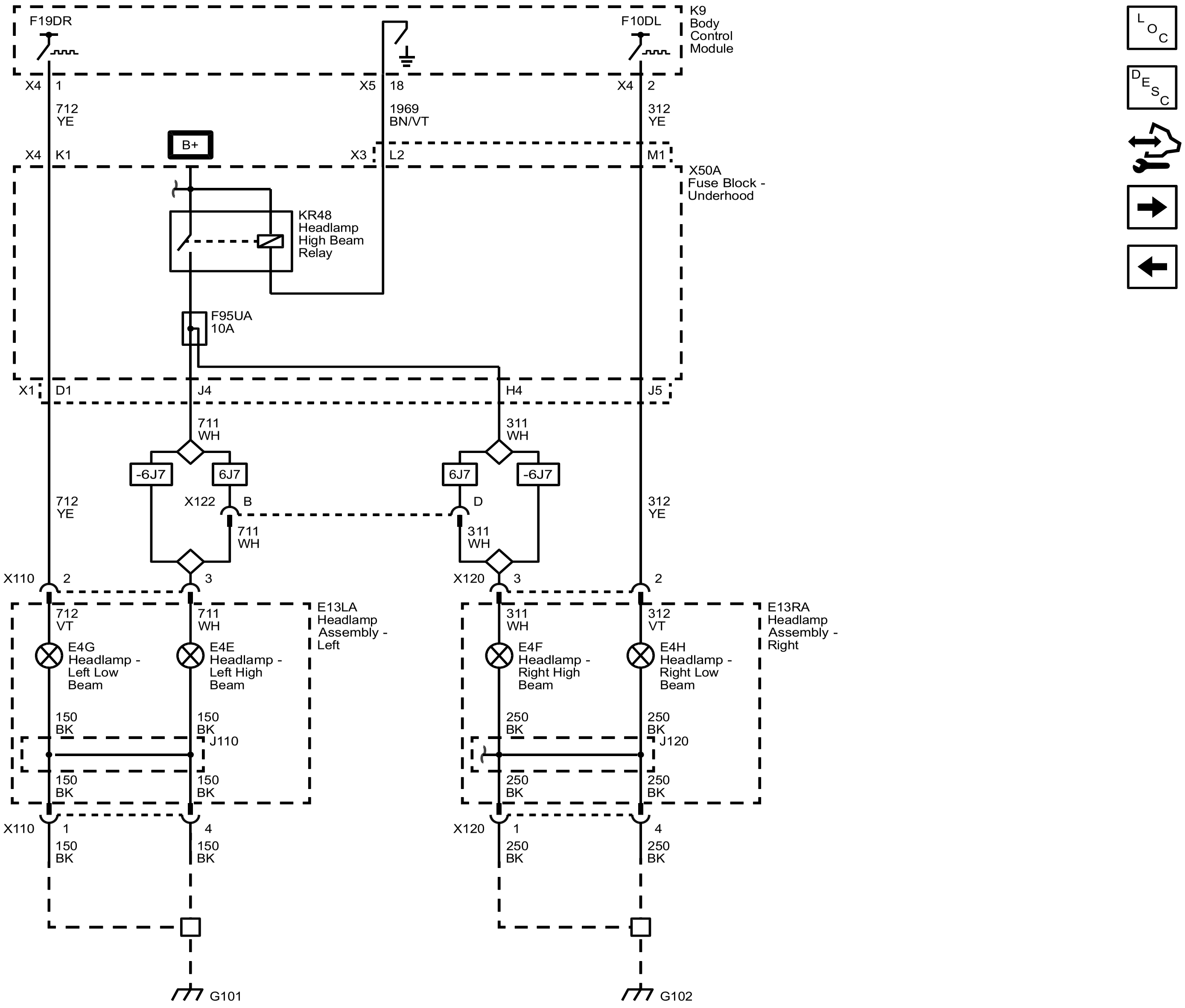
Lighting

Schematic and Routing Diagrams

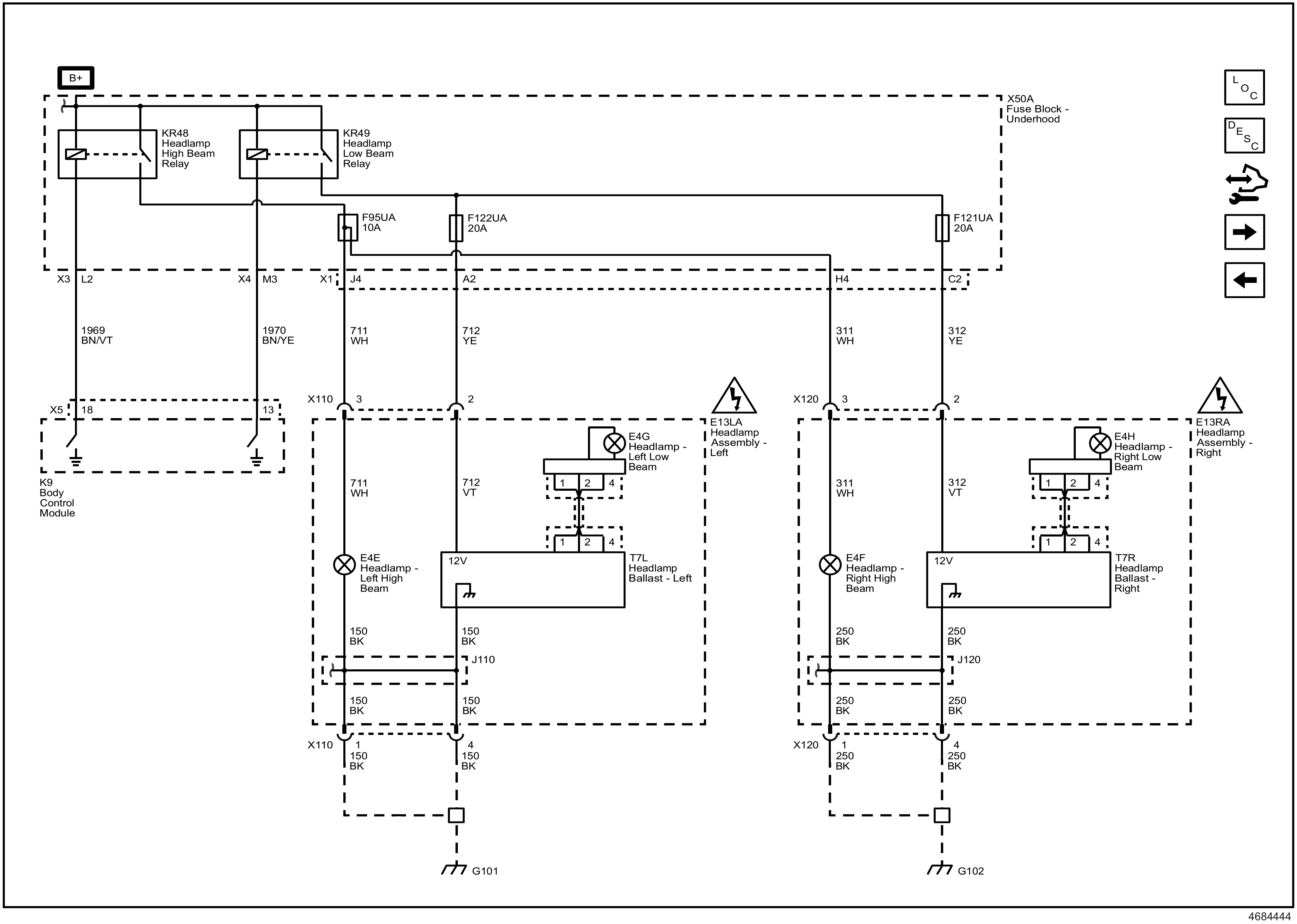
Headlights/Daytime Running Lights (DRL) Schematics (X88 or Z88) (Controls and Indicator)


L O C
D E S C
P16
Instrument
Cluster
A90
Logic
B200
Rain
Sensor
Module
K9
Body
Control
Module
FTP
X2 10
X3 11
17
X1 11
16
278
WH/BU
524
WH
307
YE/BN
306
GN/BN
103
WH/VT
5
B10B
Ambient
Light/
Sunload
Sensor
HVAC
Schematics
6
1791
BK/YE
X215 10
1791
BK/YE
J255
1791
BK/YE
X2 18
K33
HVAC
Control
Module
HVAC
Schematics
X1 14
10
S78
Turn Signal/
Multifunction
Switch
X1 13
1851
BK/WH
3
1
S30
Headlamp
Switch
AUTO
8
1850
BK
G218
4684442

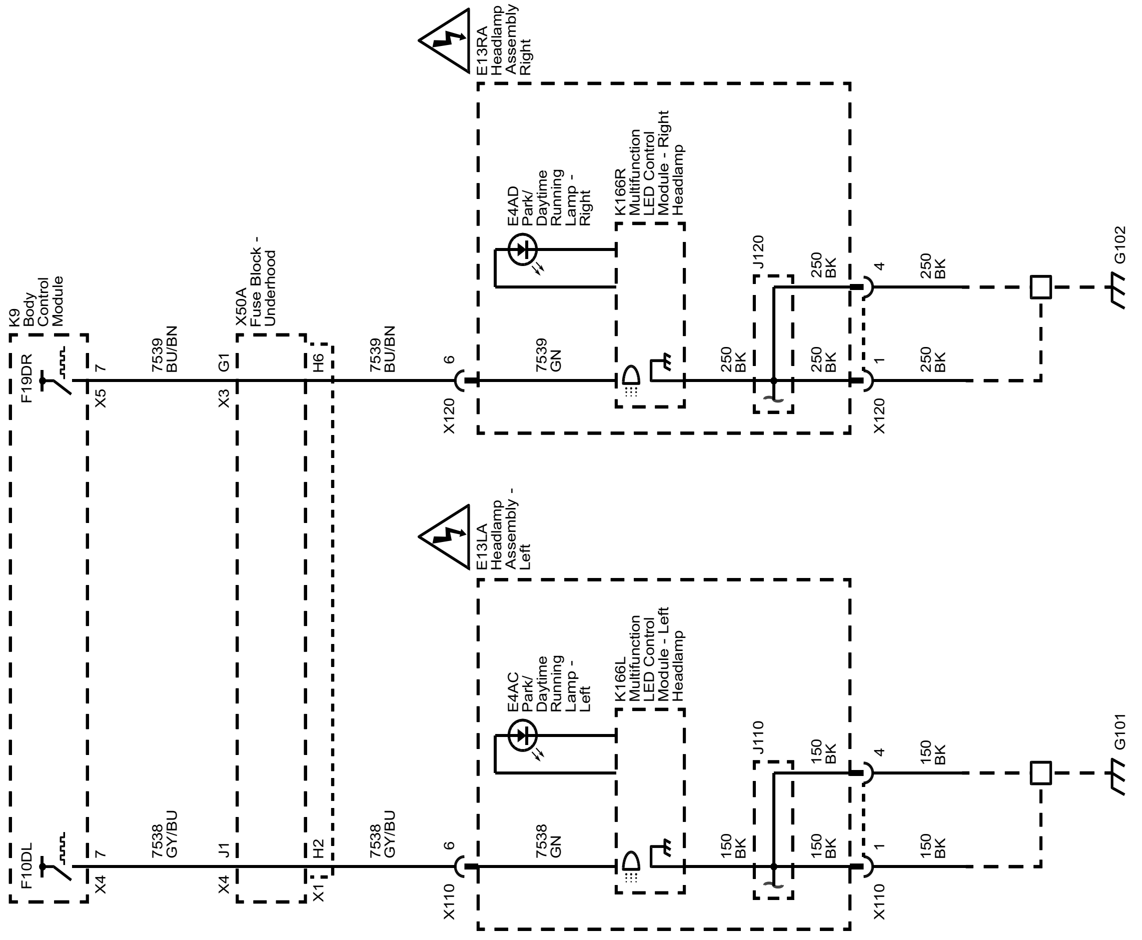
Headlights/Daytime Running Lights (DRL) Schematics (X88 or Z88) (Halogen (without T4F))


LOC
DESC
K9 Body Control Module
F19DR
F10DL
X4 1
X5 18
X4 2
712 YE
1969 BN/VT
312 YE
B+
X4 K1
X3 L2
M1
X50A Fuse Block - Underhood
KR48 Headlamp High Beam Relay
F95UA 10A
X1 D1
J4
H4
J5
711 WH
311 WH
-6J7
6J7
X122 B
D
X110 2
3
X120 3
2
712 VT
711 WH
311 WH
312 VT
E13LA Headlamp Assembly - Left
E13RA Headlamp Assembly - Right
E4G Headlamp - Left Low Beam
E4E Headlamp - Left High Beam
E4F Headlamp - Right High Beam
E4H Headlamp - Right Low Beam
150 BK
250 BK
J110
J120
X110 1
4
X120 1
G101
G102
4684443

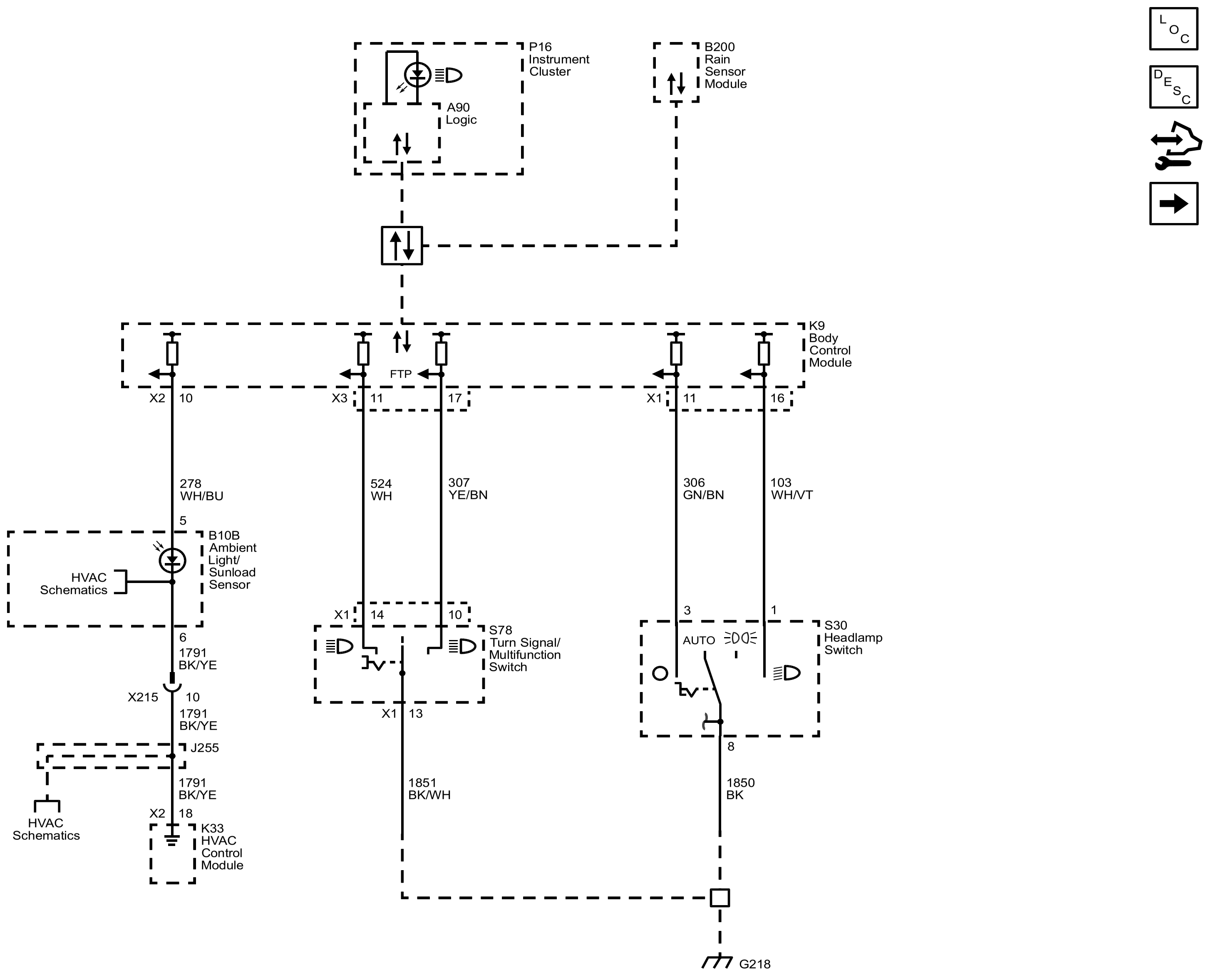
Headlights/Daytime Running Lights (DRL) Schematics (X88 or Z88) (High Intensity Discharge (T4F))


B+
X50A
Fuse Block - Underhood
KR48
Headlamp
High Beam
Relay
KR49
Headlamp
Low Beam
Relay
F95UA
10A
F122UA
20A
F121UA
20A
X3 L2
X4 M3
X1 J4
A2
H4
C2
1969
BN/VT
1970
BN/YE
711
WH
712
YE
311
WH
312
YE
X5 18
13
K9
Body
Control
Module
X110 3
2
X120 3
2
E13LA
Headlamp
Assembly - Left
E13RA
Headlamp
Assembly - Right
E4G
Headlamp - Left Low Beam
E4H
Headlamp - Right Low Beam
1 2 4
712
VT
312
VT
E4E
Headlamp - Left High Beam
E4F
Headlamp - Right High Beam
12V
T7L
Headlamp
Ballast - Left
T7R
Headlamp
Ballast - Right
150
BK
250
BK
J110
J120
X110 1
4
X120 1
4
G101
G102
4684444

Headlights/Daytime Running Lights (DRL) Schematics (X88 or Z88) (Daytime Running Lights (X88 with TB8 or T4F) or (Z88))

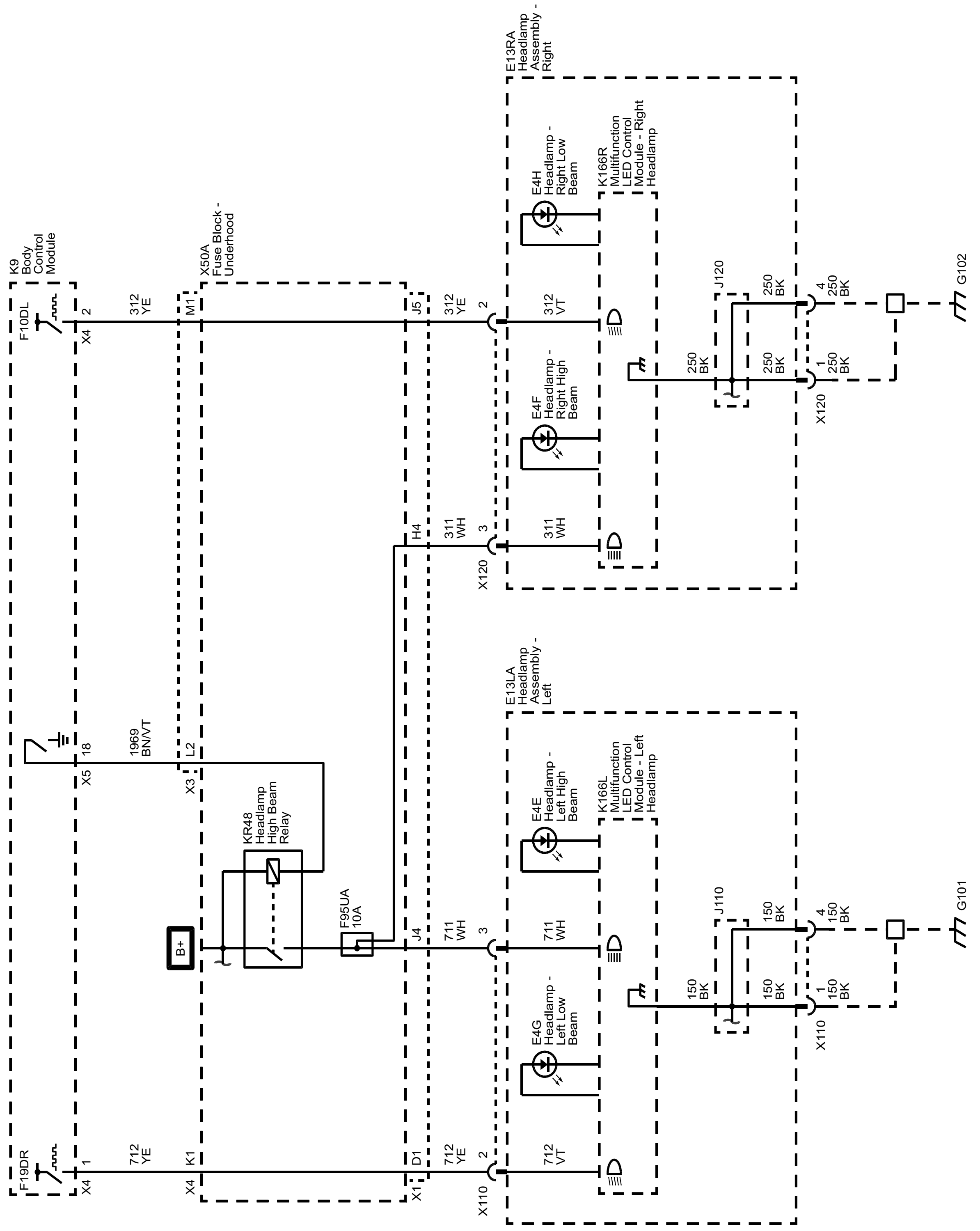

K9 Body Control Module
F19DR
F10DL
X5 7
X4 7
7539 BU/BN
7538 GY/BU
X50A Fuse Block - Underhood
X3 G1
X4 J1
H6
X1 H2
7539 BU/BN
7538 GY/BU
X120 6
X110 6
E13RA Headlamp Assembly - Right
E13LA Headlamp Assembly - Left
7539 GN
7538 GN
E4AD Park/ Daytime Running Lamp - Right
E4AC Park/ Daytime Running Lamp - Left
K166R Multifunction LED Control Module - Right Headlamp
K166L Multifunction LED Control Module - Left Headlamp
J120
J110
250 BK
150 BK
X120 4
X120 1
X110 4
X110 1
G102
G101
4684445

Headlights/Daytime Running Lights (DRL) Schematics (Z75) (Controls and Indicator)

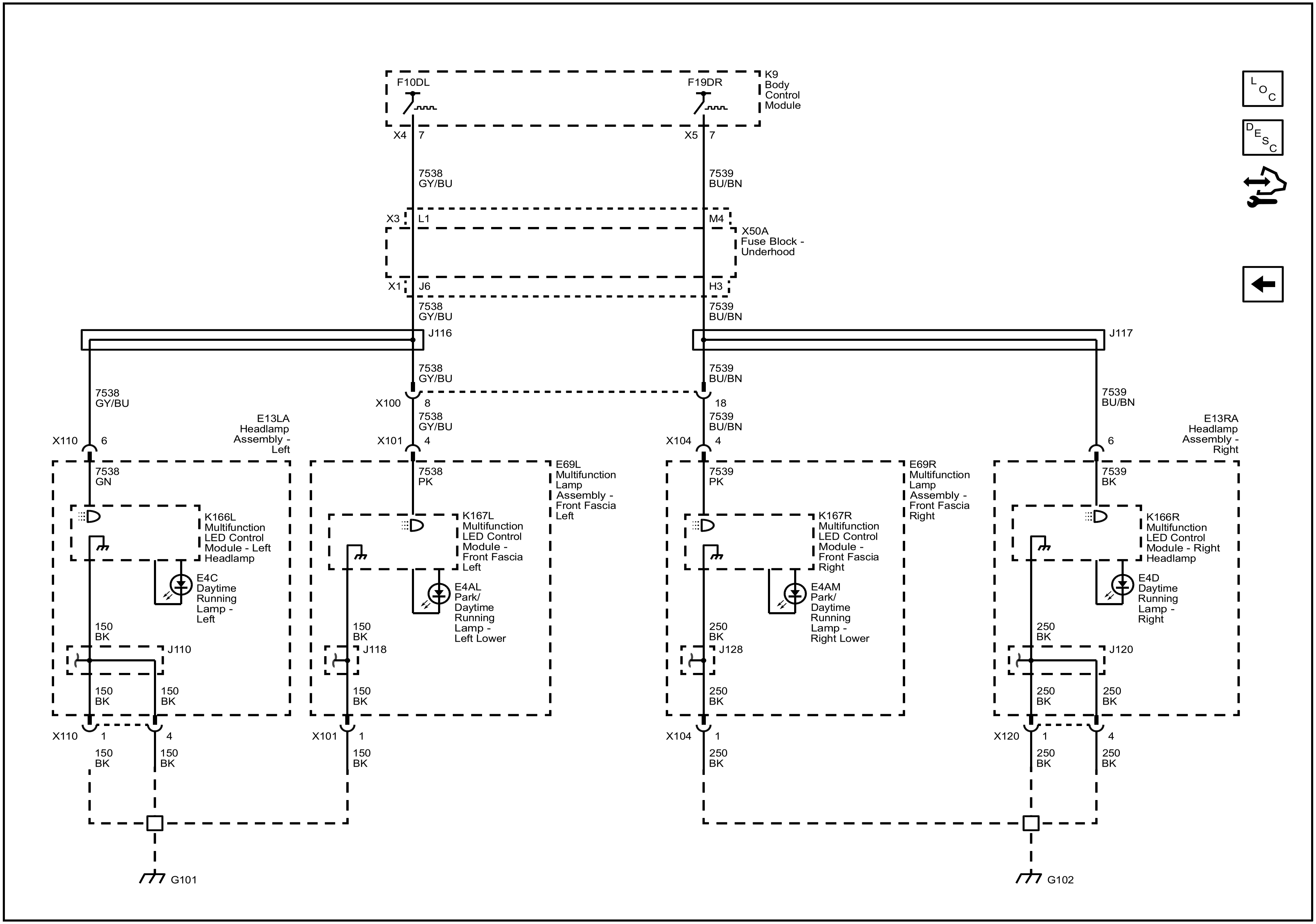

L O C
D E S C
P16
Instrument
Cluster
A90
Logic
B200
Rain
Sensor
Module
K9
Body
Control
Module
FTP
X2 10
X3 11
17
X1 11
16
278
WH/BU
524
WH
307
YE/BN
306
GN/BN
103
WH/VT
5
B10B
Ambient
Light/
Sunload
Sensor
HVAC
Schematics
6
1791
BK/YE
X215 10
1791
BK/YE
J255
1791
BK/YE
X2 18
K33
HVAC
Control
Module
HVAC
Schematics
X1 14
10
S78
Turn Signal/
Multifunction
Switch
X1 13
1851
BK/WH
3
1
AUTO
S30
Headlamp
Switch
8
1850
BK
G218

4684446

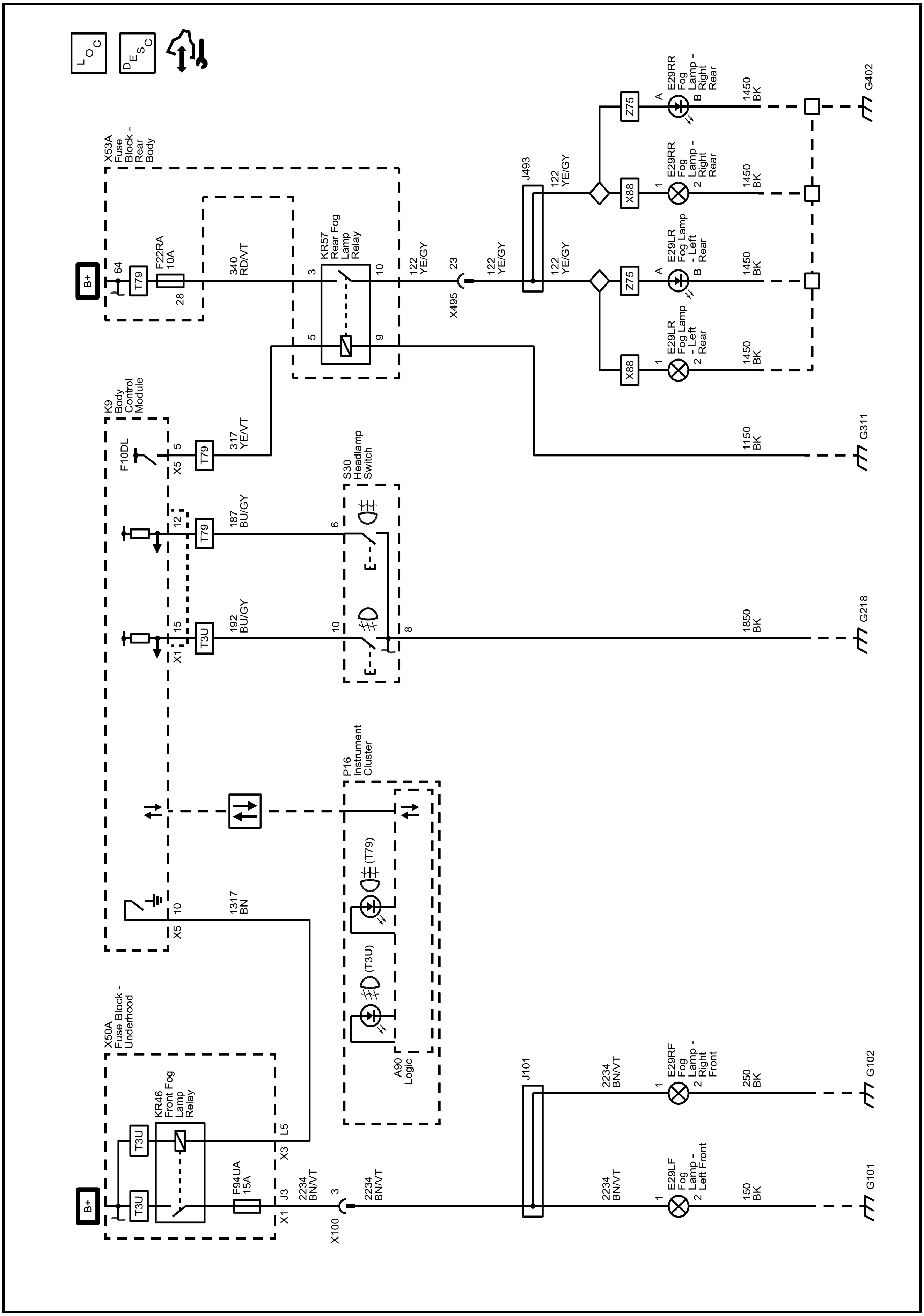
Headlights/Daytime Running Lights (DRL) Schematics (Z75) (Headlights)


K9
Body
Control
Module
F10DL
F19DR
X4
2
X4
1
X5
18
312
YE
1969
BN/VT
712
YE
X50A
Fuse Block -
Underhood
M1
L2
X3
K1
X4
J5
H4
J4
D1
X1
KR48
Headlamp
High Beam
Relay
B+
F95UA
10A
312
YE
2
311
WH
3
X120
711
WH
3
712
YE
2
X110
E13RA
Headlamp
Assembly -
Right
E4H
Headlamp -
Right Low
Beam
K166R
Multifunction
LED Control
Module - Right
Headlamp
E4F
Headlamp -
Right High
Beam
312
VT
311
WH
250
BK
J120
250
BK
250
BK
4
250
BK
1
250
BK
X120
G102
E13LA
Headlamp
Assembly -
Left
E4E
Headlamp -
Left High
Beam
K166L
Multifunction
LED Control
Module - Left
Headlamp
E4G
Headlamp -
Left Low
Beam
711
WH
712
VT
150
BK
J110
150
BK
150
BK
4
150
BK
1
150
BK
X110
G101
4684448

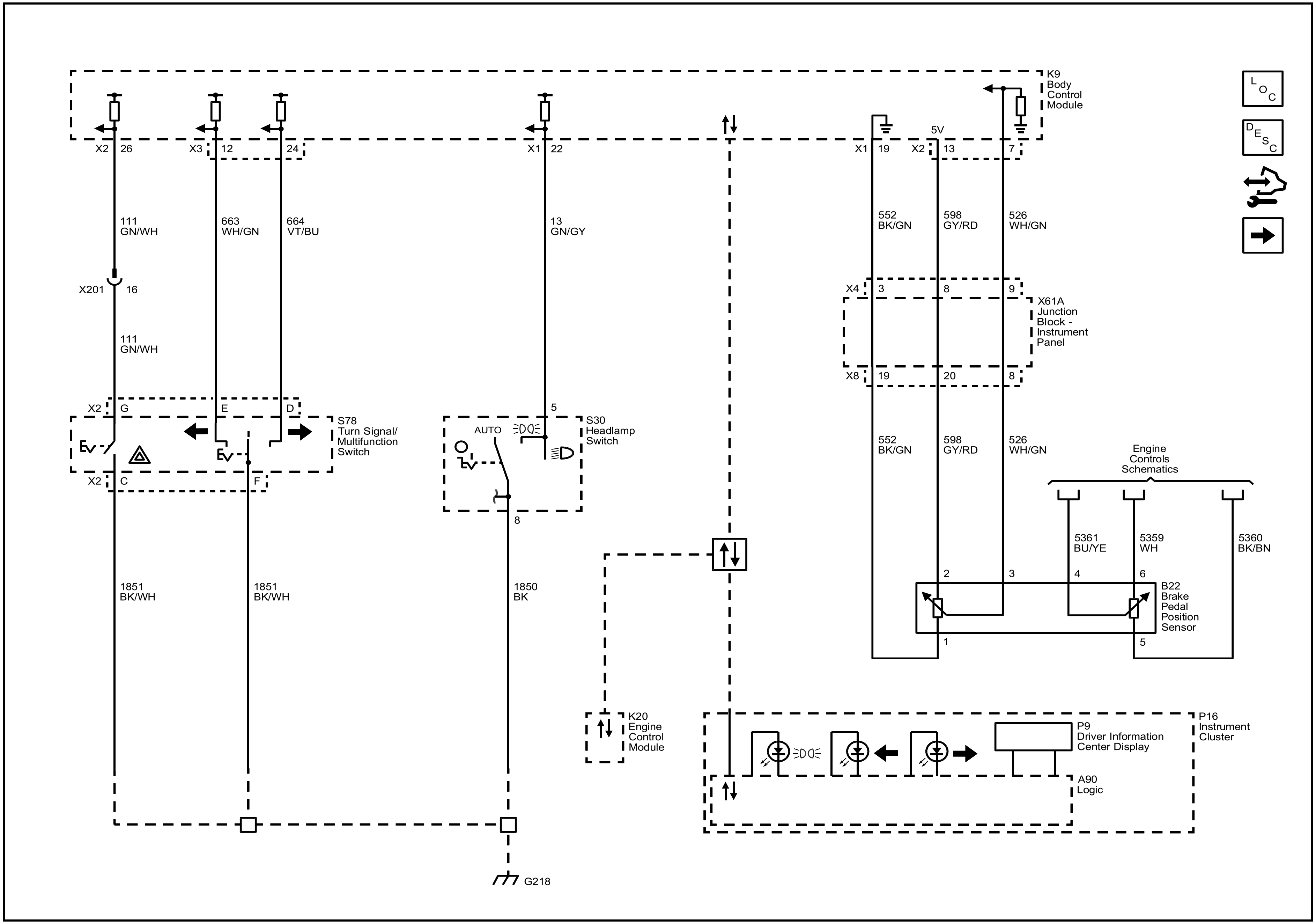
Headlights/Daytime Running Lights (DRL) Schematics (Z75) (Daytime Running Lights)


K9
Body
Control
Module
F10DL
F19DR
X4 7
X5 7
7538
GY/BU
7539
BU/BN
X3 L1
M4
X50A
Fuse Block -
Underhood
X1 J6
H3
J116
J117
X100 8
18
X110 6
X101 4
X104 4
6
E13LA
Headlamp
Assembly -
Left
E69L
Multifunction
Lamp
Assembly -
Front Fascia
Left
E69R
Multifunction
Lamp
Assembly -
Front Fascia
Right
E13RA
Headlamp
Assembly -
Right
7538
GN
7538
PK
7539
PK
7539
BK
K166L
Multifunction
LED Control
Module - Left
Headlamp
K167L
Multifunction
LED Control
Module -
Front Fascia
Left
K167R
Multifunction
LED Control
Module -
Front Fascia
Right
K166R
Multifunction
LED Control
Module - Right
Headlamp
E4C
Daytime
Running
Lamp -
Left
E4AL
Park/
Daytime
Running
Lamp -
Left Lower
E4AM
Park/
Daytime
Running
Lamp -
Right Lower
E4D
Daytime
Running
Lamp -
Right
150
BK
250
BK
J110
J118
J128
J120
X110 1
4
X101 1
X104 1
X120 1
4
G101
G102
4684449

Fog Lights Schematics (Front Fog Lamps (T3U) and Rear Fog Lamps (T79))

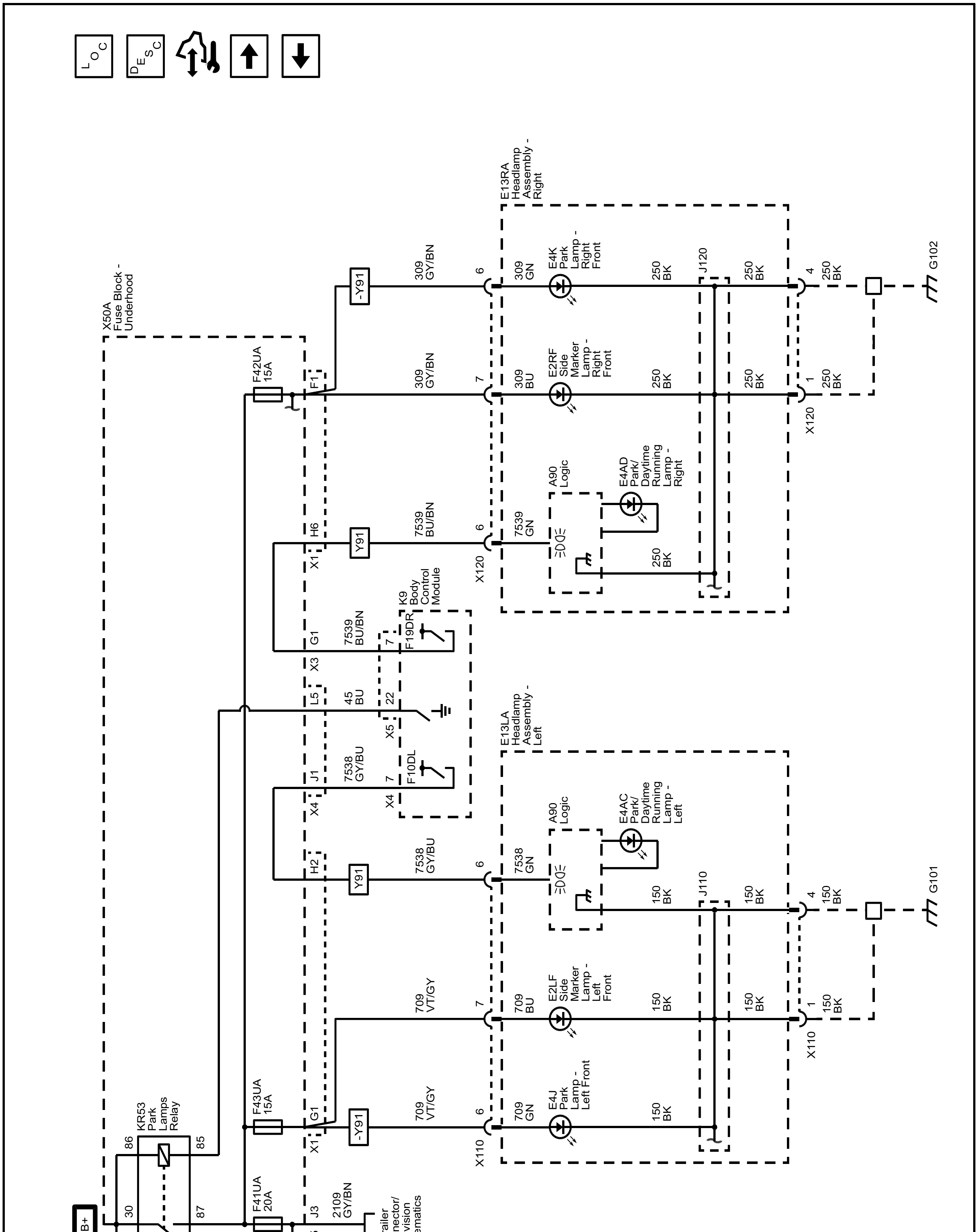

LOC
DESC
4684452
X53A Fuse Block - Rear Body
B+
64
T79
F22RA 10A
28
340 RD/VT
KR57 Rear Fog Lamp Relay
3
10
5
9
122 YE/GY
23
X495
J493
Z75
X88
A
B
1
2
E29RR Fog Lamp - Right Rear
E29LR Fog Lamp - Left Rear
1450 BK
G402
K9 Body Control Module
F10DL
X5
317 YE/VT
1150 BK
G311
S30 Headlamp Switch
12
187 BU/GY
6
X1
15
T3U
192 BU/GY
8
1850 BK
G218
P16 Instrument Cluster
(T79)
(T3U)
A90 Logic
1317 BN
X50A Fuse Block - Underhood
KR46 Front Fog Lamp Relay
F94UA 15A
L5
X3
J3
2234 BN/VT
X100
J101
E29RF Fog Lamp - Right Front
E29LF Fog Lamp - Left Front
250 BK
G102
150 BK
G101

Exterior Lights Schematics (Parklamps and Controls)


L O C
D E S C
K9
Body
Control
Module
5V
X2 26
X3 12
24
X1 22
X1 19
X2 13
7
111
GN/WH
663
WH/GN
664
VT/BU
13
GN/GY
552
BK/GN
598
GY/RD
526
WH/GN
X201 16
111
GN/WH
X4 3
8
9
X61A
Junction
Block -
Instrument
Panel
X8 19
20
8
X2 G
E
D
S78
Turn Signal/
Multifunction
Switch
X2 C
F
5
AUTO
S30
Headlamp
Switch
8
552
BK/GN
598
GY/RD
526
WH/GN
Engine
Controls
Schematics
5361
BU/YE
5359
WH
5360
BK/BN
2
3
4
6
B22
Brake
Pedal
Position
Sensor
1
5
1851
BK/WH
1851
BK/WH
1850
BK
K20
Engine
Control
Module
P9
Driver Information
Center Display
P16
Instrument
Cluster
A90
Logic
G218

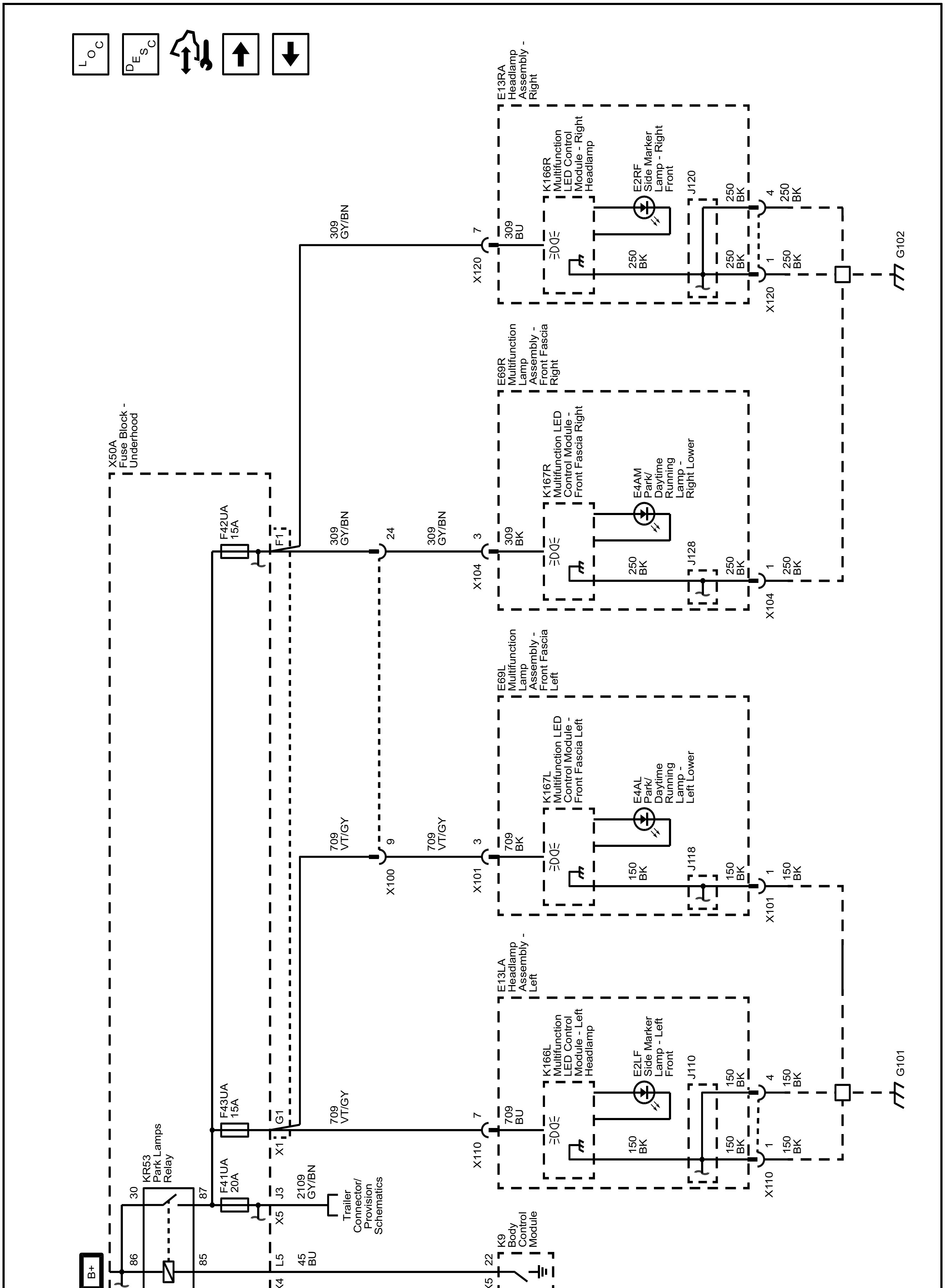
4684453

Exterior Lights Schematics (Park Lamps (X88 and Z88))

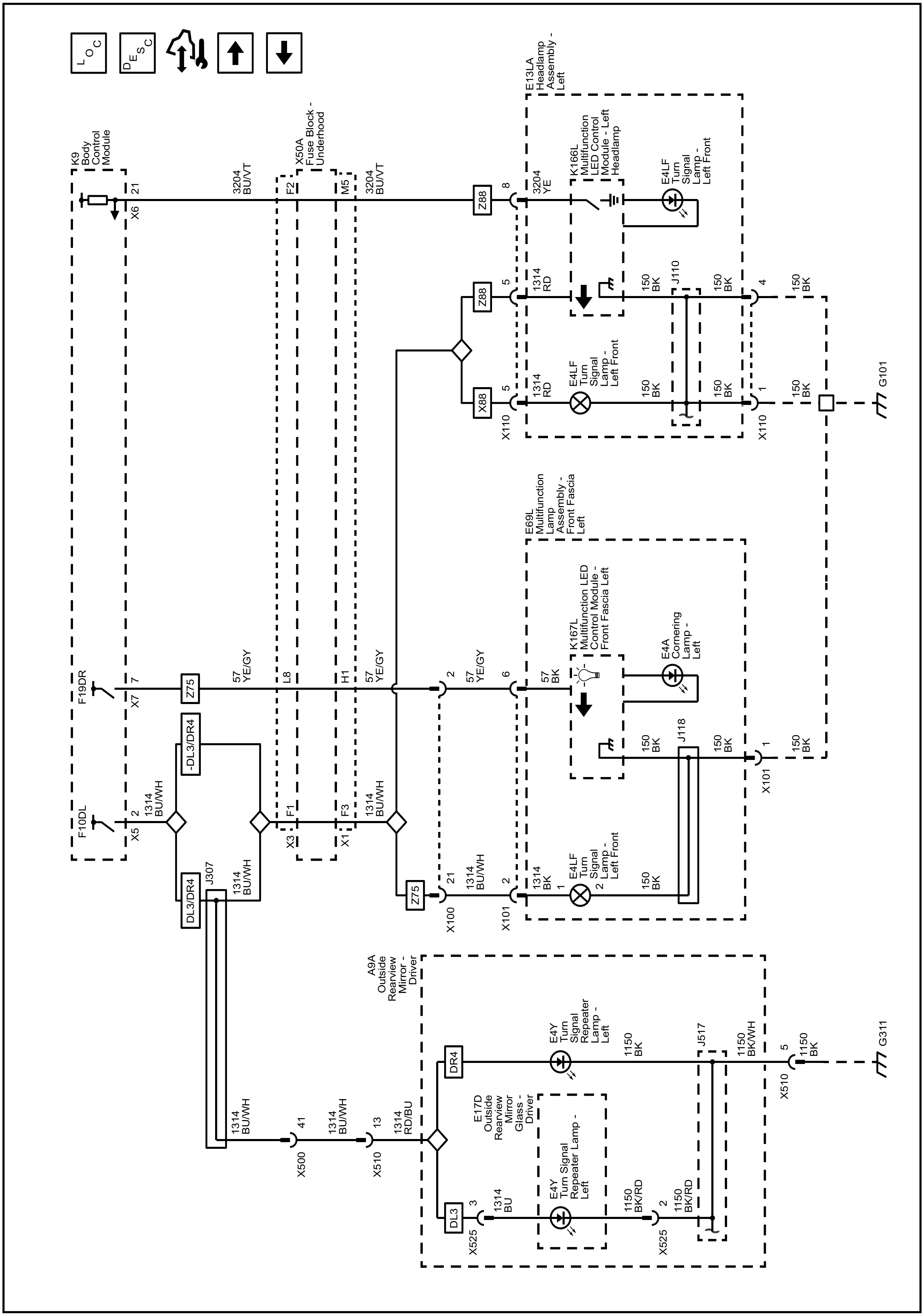

LOC
DESC
B+
X50A Fuse Block - Underhood
KR53 Park Lamps Relay
86
85
30
87
F41UA 20A
F42UA 15A
F43UA 15A
X5 J3
2109 GY/BN
Trailer Connector/ Provision Schematics
X1 G1
-Y91
709 VT/GY
X110
6
7
709 GN
709 BU
E4J Park Lamp - Left Front
E2LF Side Marker Lamp - Left Front
150 BK
J110
X110
1
4
150 BK
G101
X4 H2
Y91
7538 GY/BU
7538 GN
A90 Logic
E4AC Park/ Daytime Running Lamp - Left
E13LA Headlamp Assembly - Left
X4 J1
7538 GY/BU
X4
7
F10DL
L5
45 BU
X5
22
K9 Body Control Module
X3 G1
7539 BU/BN
F19DR
X1 H6
Y91
7539 BU/BN
X120
7539 GN
A90 Logic
E4AD Park/ Daytime Running Lamp - Right
250 BK
J120
F1
309 GY/BN
309 BU
E2RF Side Marker Lamp - Right Front
309 GN
E4K Park Lamp - Right Front
E13RA Headlamp Assembly - Right
X120
250 BK
G102

4684455

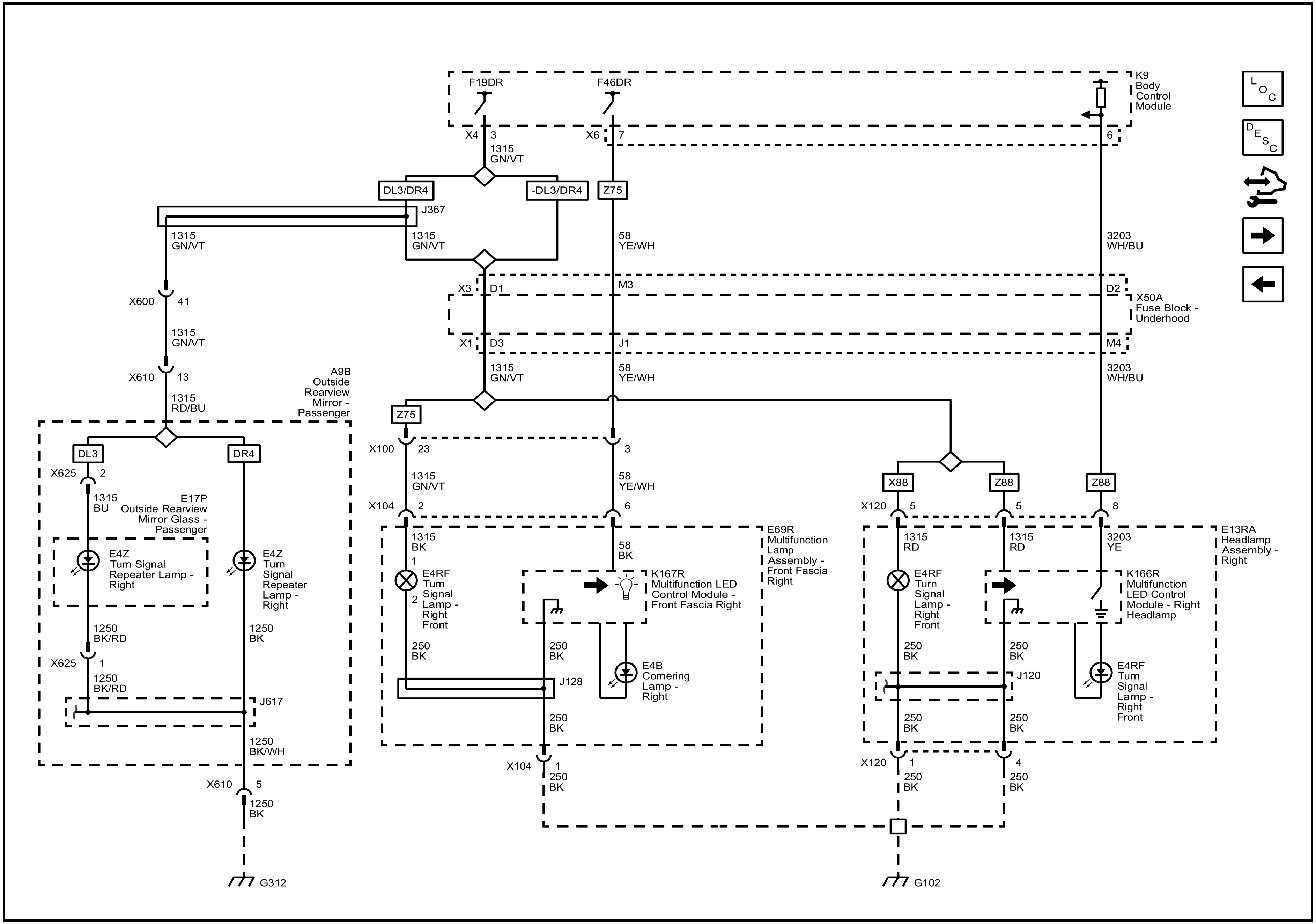
Exterior Lights Schematics (Park Lamps (Z75))


4684456
LOC
DESC
B+
X50A Fuse Block - Underhood
KR53 Park Lamps Relay
30
86
85
87
F41UA 20A
F43UA 15A
F42UA 15A
F1
G1
X1
J3
X5
L5
X4
2109 GY/BN
Trailer Connector/ Provision Schematics
45 BU
22
X5
K9 Body Control Module
309 GY/BN
24
309 GY/BN
709 VT/GY
9
709 VT/GY
X100
709 VT/GY
7
X110
709 BU
3
X101
709 BK
3
X104
309 BK
7
X120
309 BU
E13LA Headlamp Assembly - Left
K166L Multifunction LED Control Module - Left Headlamp
E2LF Side Marker Lamp - Left Front
J110
150 BK
150 BK
4
150 BK
1
150 BK
150 BK
X110
G101
E69L Multifunction Lamp Assembly - Front Fascia Left
K167L Multifunction LED Control Module - Front Fascia Left
E4AL Park/ Daytime Running Lamp - Left Lower
J118
150 BK
150 BK
1
150 BK
X101
E69R Multifunction Lamp Assembly - Front Fascia Right
K167R Multifunction LED Control Module - Front Fascia Right
E4AM Park/ Daytime Running Lamp - Right Lower
J128
250 BK
250 BK
1
250 BK
X104
E13RA Headlamp Assembly - Right
K166R Multifunction LED Control Module - Right Headlamp
E2RF Side Marker Lamp - Right Front
J120
250 BK
250 BK
250 BK
4
250 BK
1
250 BK
X120
G102

Exterior Lights Schematics (Left Front Turn Signal Lamps)

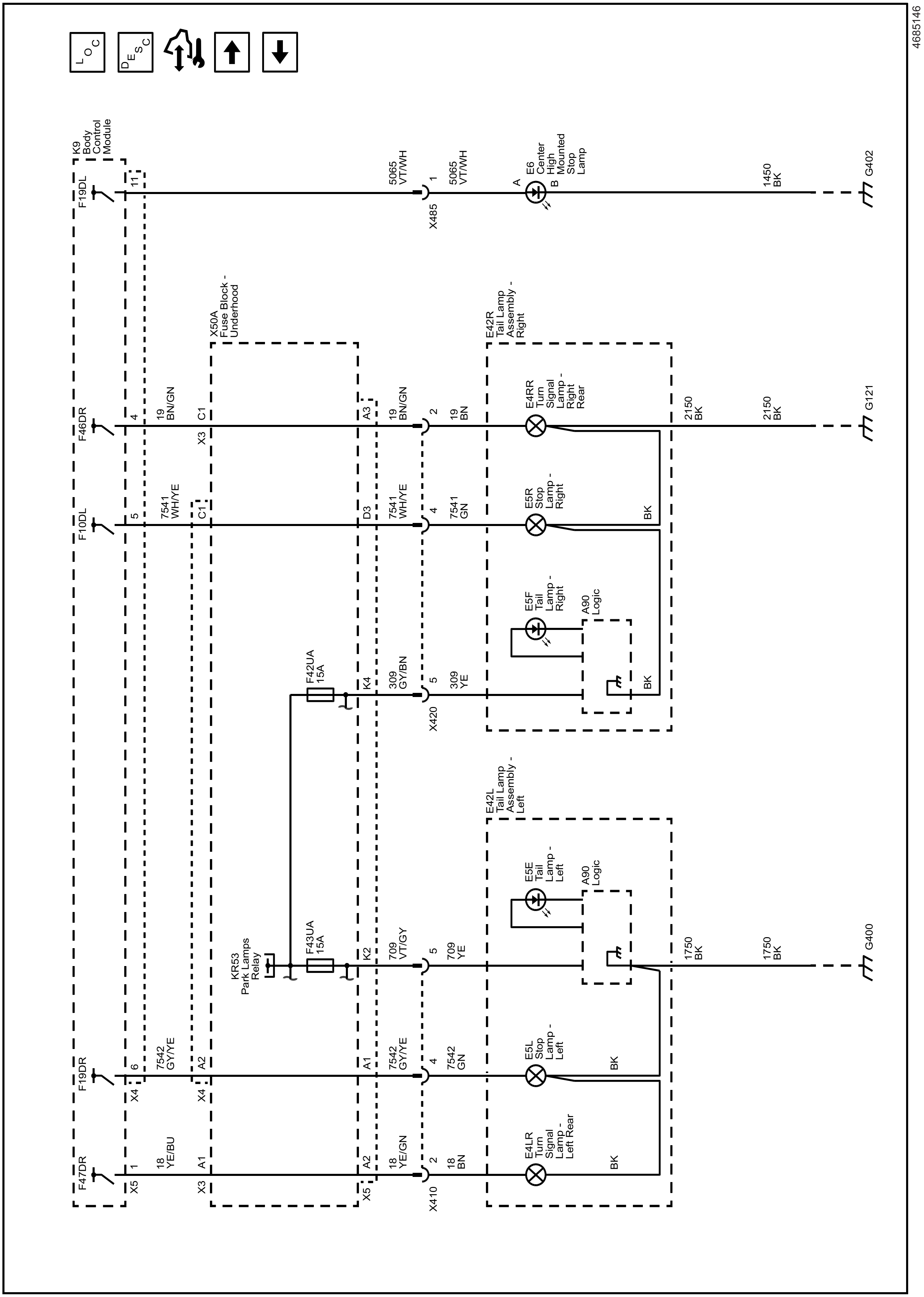

LOC
DESC
4684609
K9 Body Control Module
X6 21
X7 7 F19DR
X5 2 F10DL
3204 BU/VT
57 YE/GY
1314 BU/WH
X50A Fuse Block - Underhood
F2 M5
L8 H1
F1 F3
X3 X1
Z88
X88
Z75
DL3/DR4
-DL3/DR4
J307
E13LA Headlamp Assembly - Left
K166L Multifunction LED Control Module - Left Headlamp
E4LF Turn Signal Lamp - Left Front
8 3204 YE
5 1314 RD
150 BK
J110
4
1
X110
G101
E69L Multifunction Lamp Assembly - Front Fascia Left
K167L Multifunction LED Control Module - Front Fascia Left
E4A Cornering Lamp - Left
6 57 BK
2 57 YE/GY
J118
X101
X100 21
2 1314 BU/WH
1314 BK
A9A Outside Rearview Mirror - Driver
E4Y Turn Signal Repeater Lamp - Left
E17D Outside Rearview Mirror Glass - Driver
DR4
DL3
1314 BU
1314 RD/BU
X500 41
X510 13
X525 3
X525 2
1150 BK/RD
1150 BK
1150 BK/WH
J517
X510 5
G311

Exterior Lights Schematics (Right Front Turn Signal Lamps)

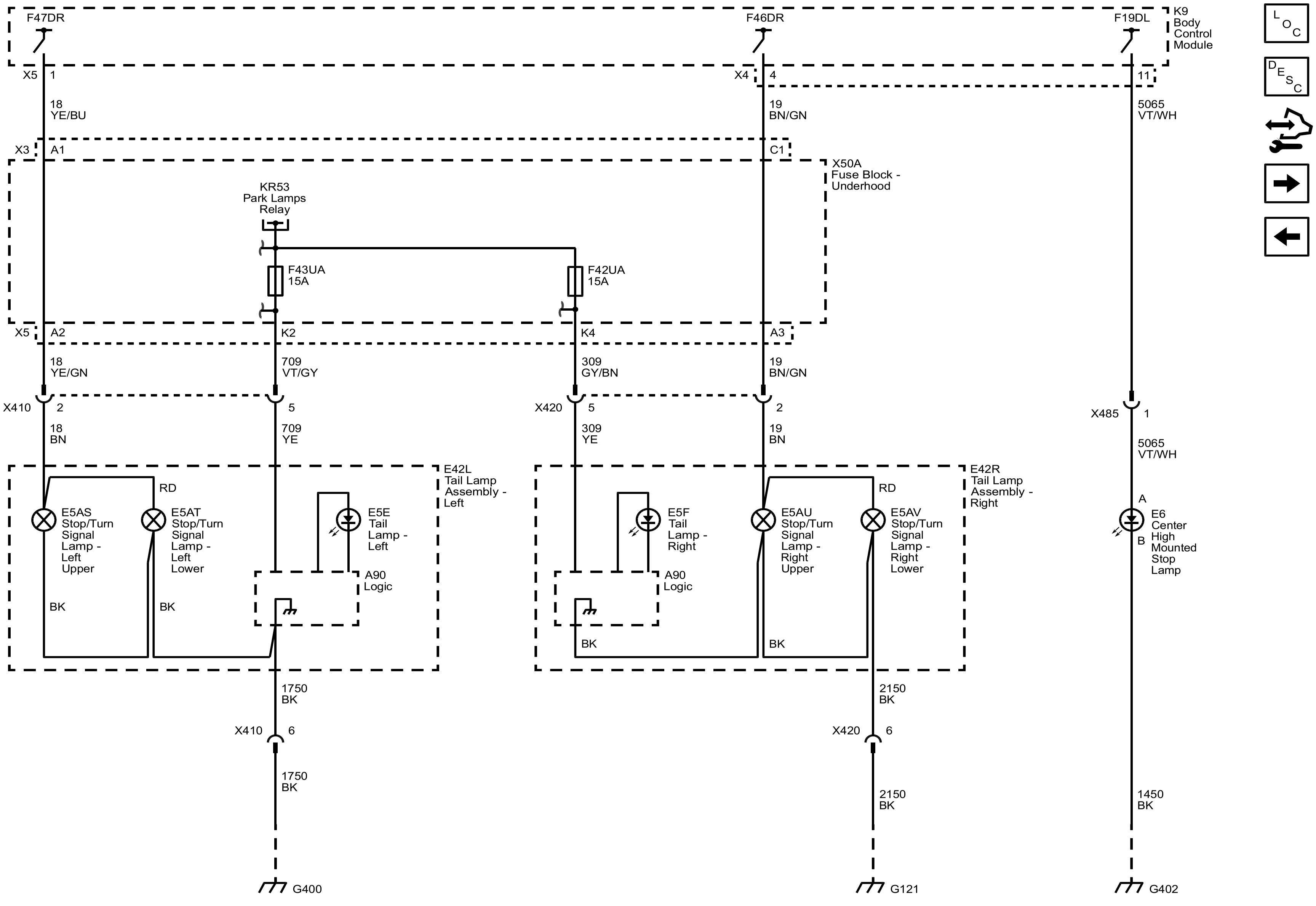

K9
Body
Control
Module
F19DR
F46DR
X4 3
X6 7
6
1315
GN/VT
DL3/DR4
-DL3/DR4
Z75
J367
1315
GN/VT
58
YE/WH
3203
WH/BU
X3 D1
M3
D2
X50A
Fuse Block -
Underhood
X1 D3
J1
M4
X600 41
X610 13
1315
RD/BU
A9B
Outside
Rearview
Mirror -
Passenger
Z75
X100 23
3
DL3
DR4
X625 2
1315
BU
E17P
Outside Rearview
Mirror Glass -
Passenger
E4Z
Turn Signal
Repeater Lamp -
Right
E4Z
Turn
Signal
Repeater
Lamp -
Right
1250
BK/RD
1250
BK
X625 1
J617
1250
BK/WH
X610 5
G312
X104 2
6
1315
BK
58
BK
E69R
Multifunction
Lamp
Assembly -
Front Fascia
Right
E4RF
Turn
Signal
Lamp -
Right
Front
K167R
Multifunction LED
Control Module -
Front Fascia Right
250
BK
E4B
Cornering
Lamp -
Right
J128
X104 1
X88
Z88
Z88
X120 5
5
8
1315
RD
3203
YE
E13RA
Headlamp
Assembly -
Right
K166R
Multifunction
LED Control
Module - Right
Headlamp
J120
X120 1
4
G102

4685144

Exterior Lights Schematics (CHMSL and Tail Lamps (X88 with T89))

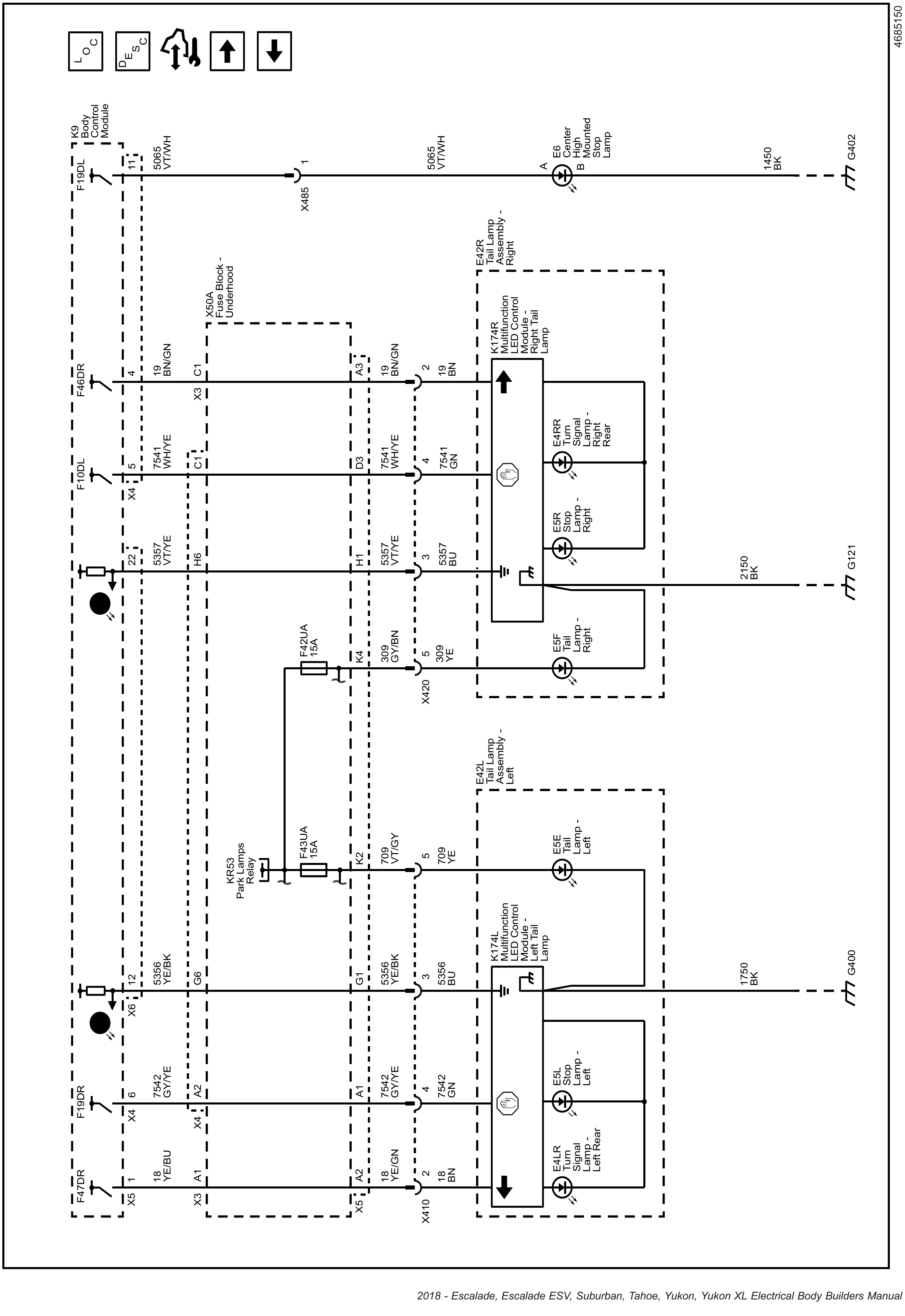

4685146
LOC
DESC
K9 Body Control Module
F19DL
11
5065 VT/WH
X485
1
5065 VT/WH
A
B
E6 Center High Mounted Stop Lamp
1450 BK
G402
X50A Fuse Block - Underhood
E42R Tail Lamp Assembly - Right
F46DR
4
19 BN/GN
X3
C1
A3
19 BN/GN
2
19 BN
E4RR Turn Signal Lamp - Right Rear
2150 BK
2150 BK
G121
F10DL
5
7541 WH/YE
C1
D3
7541 WH/YE
4
7541 GN
E5R Stop Lamp - Right
BK
E5F Tail Lamp - Right
A90 Logic
F42UA 15A
K4
309 GY/BN
5
309 YE
X420
BK
E42L Tail Lamp Assembly - Left
E5E Tail Lamp - Left
A90 Logic
KR53 Park Lamps Relay
F43UA 15A
K2
709 VT/GY
5
709 YE
1750 BK
1750 BK
G400
F19DR
X4
6
7542 GY/YE
X4
A2
A1
7542 GY/YE
4
7542 GN
E5L Stop Lamp - Left
BK
F47DR
X5
1
18 YE/BU
X3
A1
A2
X5
18 YE/GN
X410
2
18 BN
E4LR Turn Signal Lamp - Left Rear
BK

Exterior Lights Schematics (CHMSL and Tail Lamps (X88 without T89))

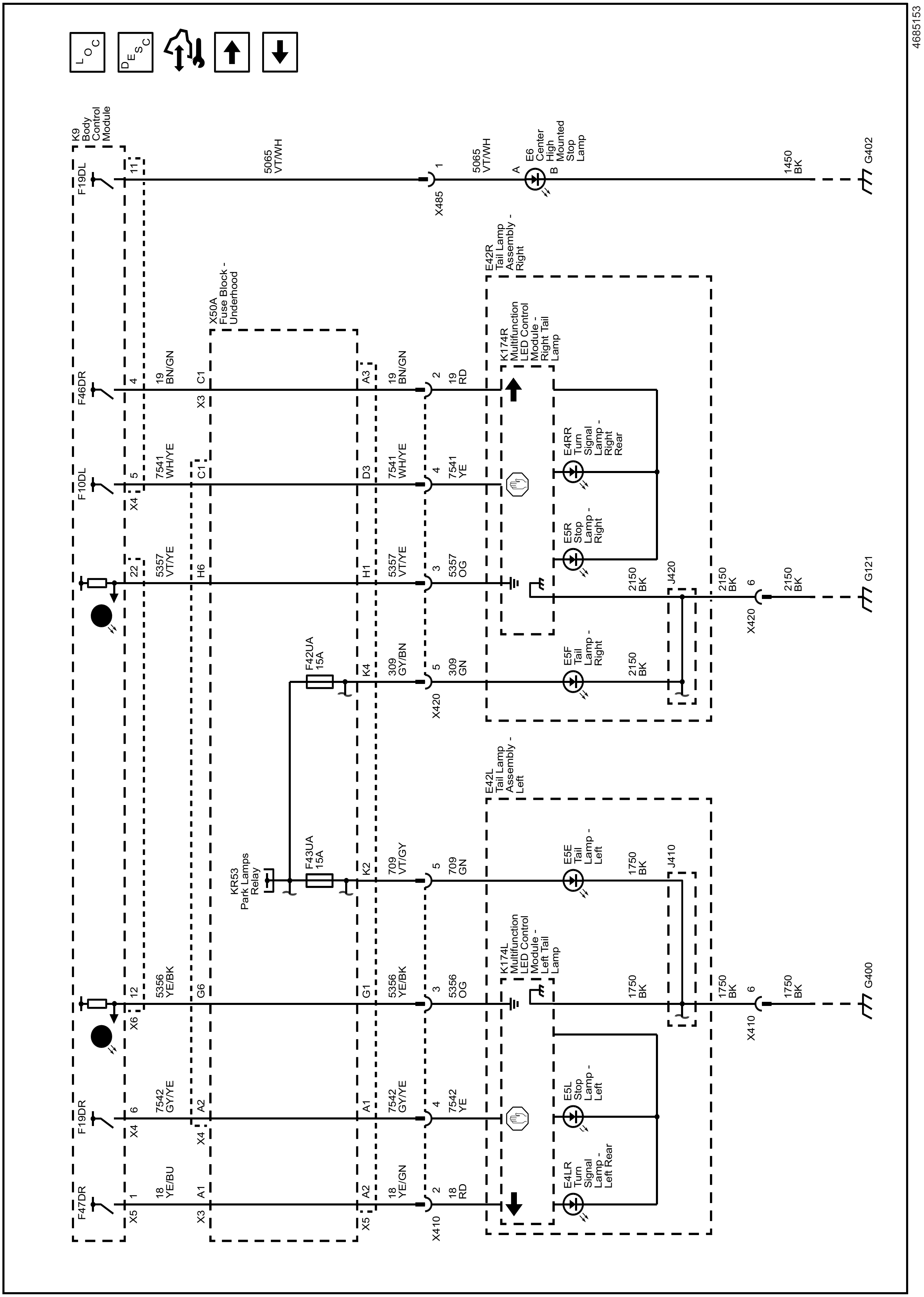

K9
Body
Control
Module
F47DR
F46DR
F19DL
X5 1
X4 4
11
18
YE/BU
19
BN/GN
5065
VT/WH
X3 A1
C1
X50A
Fuse Block -
Underhood
KR53
Park Lamps
Relay
F43UA
15A
F42UA
15A
X5 A2
K2
K4
A3
18
YE/GN
709
VT/GY
309
GY/BN
19
BN/GN
X410 2
5
X420 5
2
X485 1
18
BN
709
YE
309
YE
19
BN
5065
VT/WH
E42L
Tail Lamp
Assembly -
Left
E42R
Tail Lamp
Assembly -
Right
RD
E5AS
Stop/Turn
Signal
Lamp -
Left
Upper
E5AT
Stop/Turn
Signal
Lamp -
Left
Lower
E5E
Tail
Lamp -
Left
A90
Logic
BK
BK
E5F
Tail
Lamp -
Right
A90
Logic
E5AU
Stop/Turn
Signal
Lamp -
Right
Upper
E5AV
Stop/Turn
Signal
Lamp -
Right
Lower
RD
BK
BK
A
E6
Center
High
Mounted
Stop
Lamp
B
1750
BK
X410 6
1750
BK
2150
BK
X420 6
2150
BK
1450
BK
G400
G121
G402
L O C
D E S C

4685148

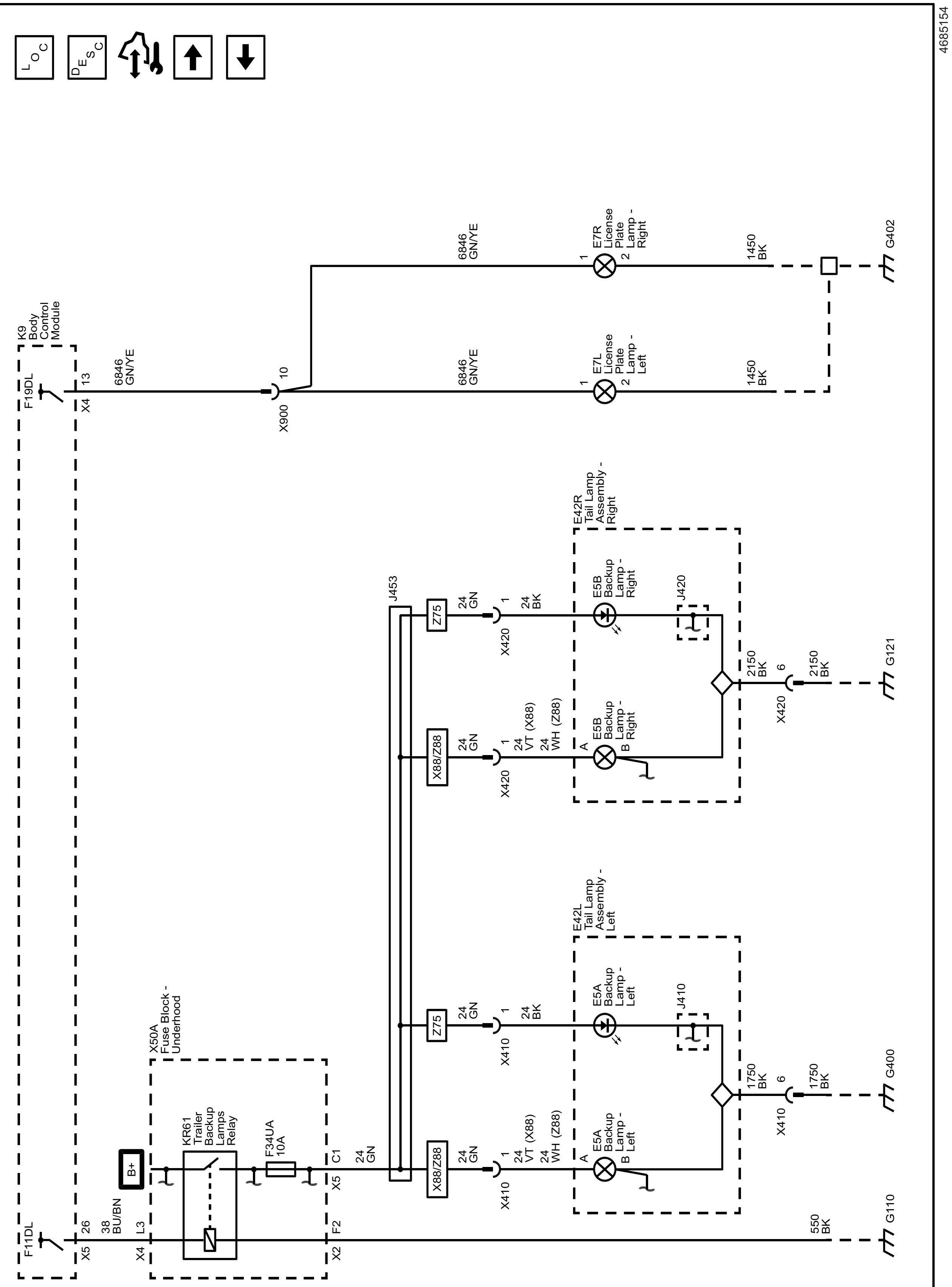
Exterior Lights Schematics (CHMSL and Tail Lamps (Z88))


4685150
LOC
DESC
K9 Body Control Module
F19DL
11
5065 VT/WH
1
X485
5065 VT/WH
A
B
E6 Center High Mounted Stop Lamp
1450 BK
G402
F46DR
4
19 BN/GN
C1
X3
X50A Fuse Block - Underhood
A3
19 BN/GN
2
19 BN
F10DL
5
X4
7541 WH/YE
C1
D3
7541 WH/YE
4
7541 GN
22
5357 VT/YE
H6
H1
5357 VT/YE
3
5357 BU
F42UA 15A
K4
309 GY/BN
5
309 YE
X420
E42R Tail Lamp Assembly - Right
K174R Multifunction LED Control Module - Right Tail Lamp
E4RR Turn Signal Lamp - Right Rear
E5R Stop Lamp - Right
E5F Tail Lamp - Right
2150 BK
G121
KR53 Park Lamps Relay
F43UA 15A
K2
709 VT/GY
5
709 YE
E42L Tail Lamp Assembly - Left
E5E Tail Lamp - Left
K174L Multifunction LED Control Module - Left Tail Lamp
12
X6
5356 YE/BK
G6
G1
5356 YE/BK
3
5356 BU
1750 BK
G400
F19DR
6
X4
7542 GY/YE
A2
X4
A1
7542 GY/YE
4
7542 GN
E5L Stop Lamp - Left
F47DR
1
X5
18 YE/BU
A1
X3
A2
X5
18 YE/GN
2
18 BN
X410
E4LR Turn Signal Lamp - Left Rear

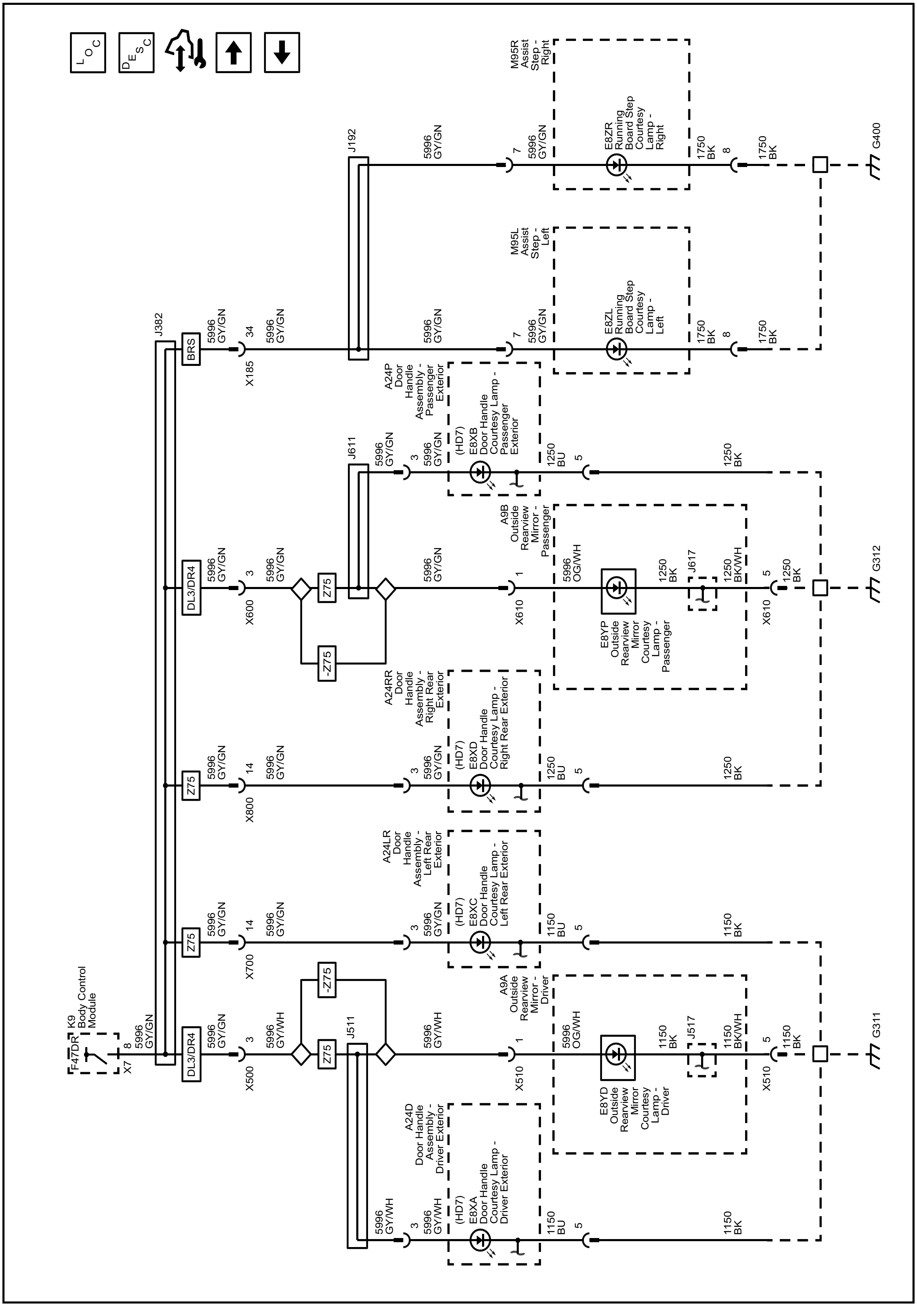
Exterior Lights Schematics (CHMSL and Tail Lamps (Z75))


4685153
L O C
D E S C
K9 Body Control Module
F19DL
11
5065 VT/WH
X485
1
5065 VT/WH
A
B
E6 Center High Mounted Stop Lamp
1450 BK
G402
F46DR
4
19 BN/GN
X3
C1
X50A Fuse Block - Underhood
A3
19 BN/GN
2
19 RD
K174R Multifunction LED Control Module - Right Tail Lamp
E42R Tail Lamp Assembly - Right
E4RR Turn Signal Lamp - Right Rear
F10DL
X4
5
7541 WH/YE
C1
D3
7541 WH/YE
4
7541 YE
E5R Stop Lamp - Right
22
5357 VT/YE
H6
H1
5357 VT/YE
3
5357 OG
2150 BK
J420
2150 BK
6
X420
2150 BK
G121
F42UA 15A
K4
309 GY/BN
5
309 GN
X420
E5F Tail Lamp - Right
2150 BK
E42L Tail Lamp Assembly - Left
KR53 Park Lamps Relay
F43UA 15A
K2
709 VT/GY
5
709 GN
E5E Tail Lamp - Left
1750 BK
J410
K174L Multifunction LED Control Module - Left Tail Lamp
12
X6
5356 YE/BK
G6
G1
5356 YE/BK
3
5356 OG
1750 BK
1750 BK
6
X410
1750 BK
G400
F19DR
X4
6
7542 GY/YE
A2
X4
A1
7542 GY/YE
4
7542 YE
E5L Stop Lamp - Left
F47DR
X5
1
18 YE/BU
X3
A1
A2
X5
18 YE/GN
2
18 RD
X410
E4LR Turn Signal Lamp - Left Rear

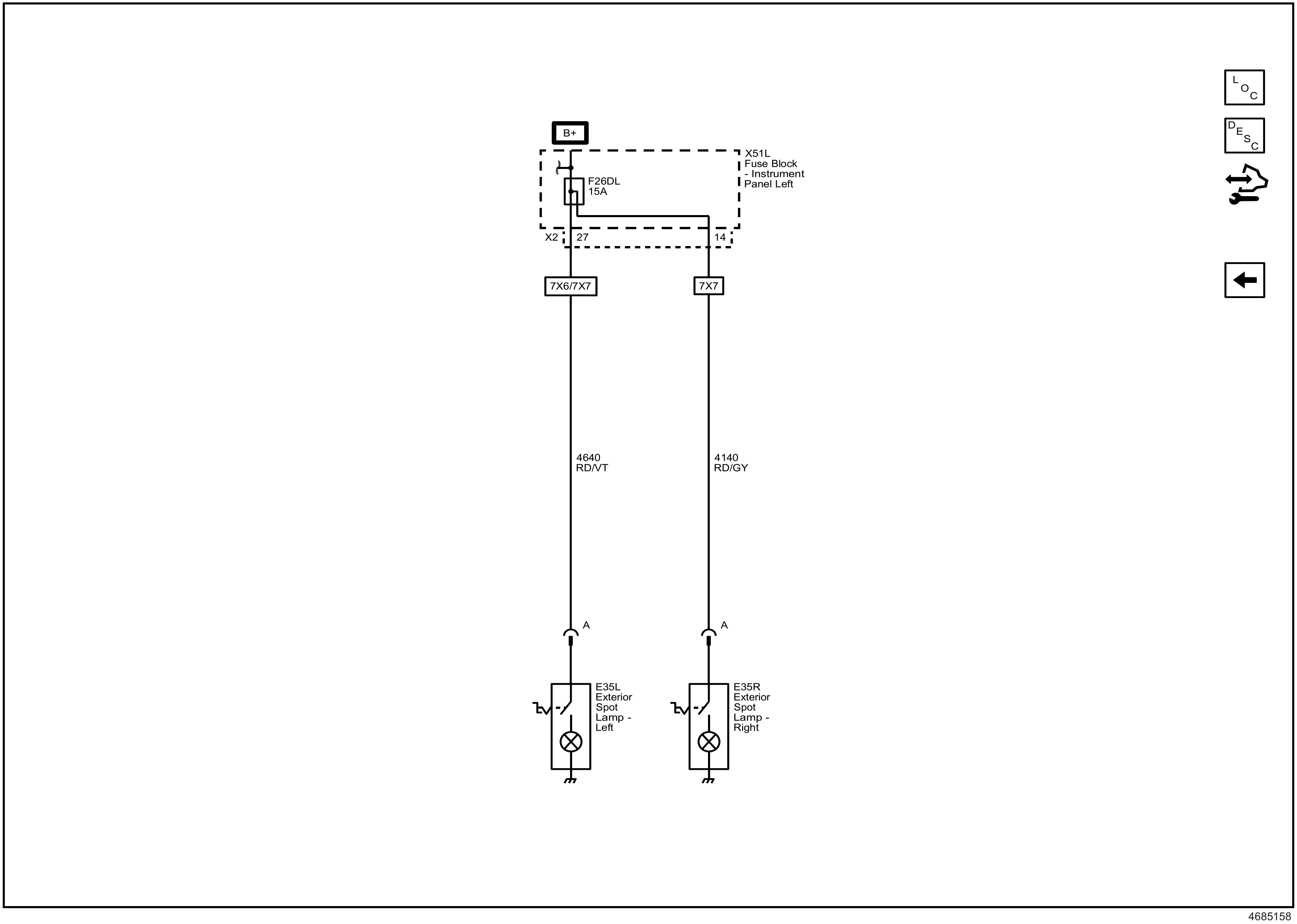
Exterior Lights Schematics (Backup and License Plate Lamps)


4685154
K9
Body
Control
Module
F19DL
X4 13
6846
GN/YE
X900 10
E7R
License
Plate
Lamp -
Right
E7L
License
Plate
Lamp -
Left
1
2
1450
BK
G402
E42R
Tail Lamp
Assembly -
Right
E5B
Backup
Lamp -
Right
J453
Z75
X88/Z88
24
GN
X420
24
BK
24
VT (X88)
24
WH (Z88)
A
B
J420
2150
BK
6
G121
E42L
Tail Lamp
Assembly -
Left
E5A
Backup
Lamp -
Left
J410
X410
1750
BK
G400
X50A
Fuse Block -
Underhood
B+
KR61
Trailer
Backup
Lamps
Relay
F34UA
10A
C1
X5
F11DL
X5 26
38
BU/BN
X4 L3
X2 F2
550
BK
G110

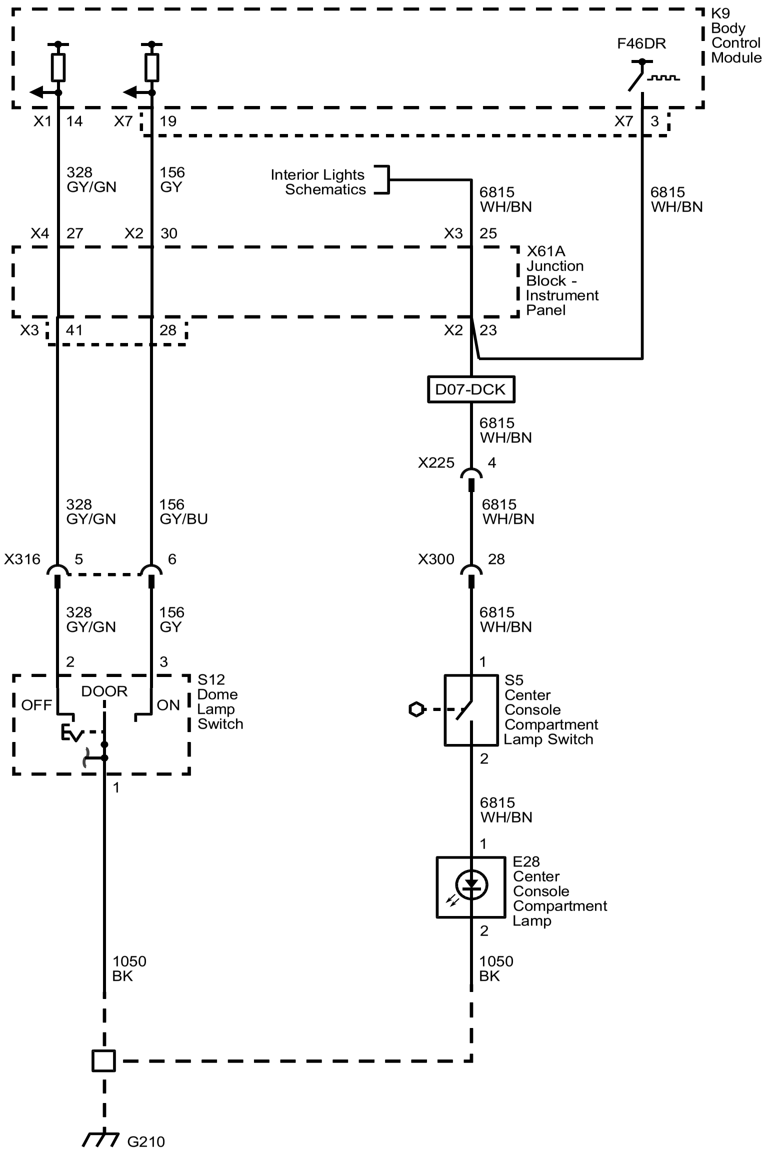
Exterior Lights Schematics (Courtesy Lamps)


4685156
L O C
D E S C
K9 Body Control Module
F47DR
X7
8
5996 GY/GN
J382
DL3/DR4
Z75
Z75
DL3/DR4
BRS
X500
X700
X800
X600
X185
3
14
14
3
34
5996 GY/GN
5996 GY/WH
Z75
-Z75
J511
5996 GY/WH
A24D Door Handle Assembly - Driver Exterior
(HD7) E8XA Door Handle Courtesy Lamp - Driver Exterior
3
5996 GY/WH
1150 BU
5
1150 BK
A9A Outside Rearview Mirror - Driver
X510
1
5996 OG/WH
E8YD Outside Rearview Mirror Courtesy Lamp - Driver
1150 BK
J517
1150 BK/WH
5
1150 BK
G311
A24LR Door Handle Assembly - Left Rear Exterior
(HD7) E8XC Door Handle Courtesy Lamp - Left Rear Exterior
5996 GY/GN
1150 BU
1150 BK
A24RR Door Handle Assembly - Right Rear Exterior
(HD7) E8XD Door Handle Courtesy Lamp - Right Rear Exterior
1250 BU
1250 BK
Z75
-Z75
J611
A9B Outside Rearview Mirror - Passenger
X610
E8YP Outside Rearview Mirror Courtesy Lamp - Passenger
1250 BK
J617
1250 BK/WH
1250 BK
G312
A24P Door Handle Assembly - Passenger Exterior
(HD7) E8XB Door Handle Courtesy Lamp - Passenger Exterior
J192
7
M95L Assist Step - Left
E8ZL Running Board Step Courtesy Lamp - Left
1750 BK
8
1750 BK
M95R Assist Step - Right
E8ZR Running Board Step Courtesy Lamp - Right
G400

Exterior Lights Schematics (Spot Light (7X6 and 7X7))

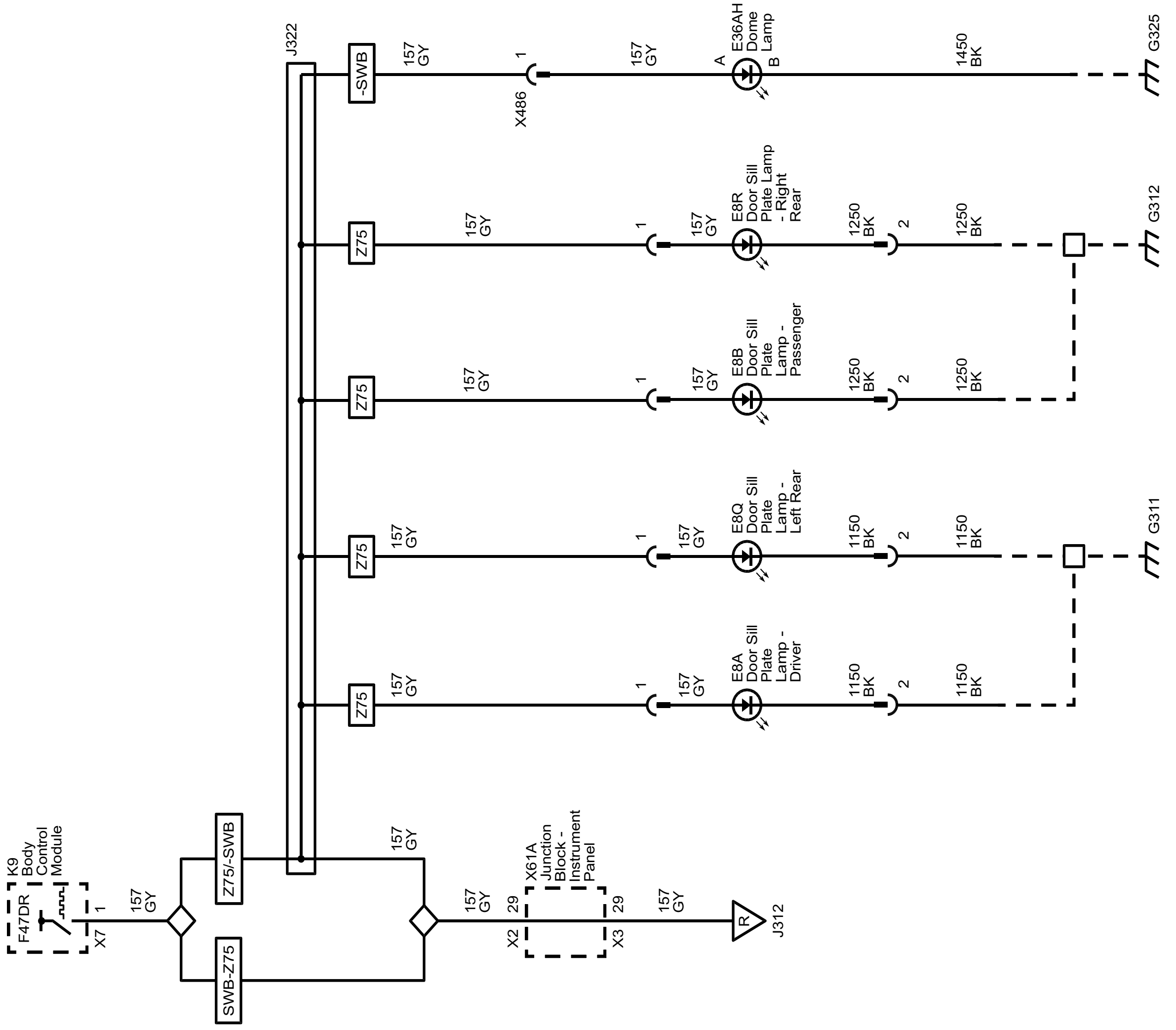

L O C
D E S C
B+
X51L
Fuse Block
- Instrument
Panel Left
F26DL
15A
X2
27
14
7X6/7X7
7X7
4640
RD/VT
4140
RD/GY
A
A
E35L
Exterior
Spot
Lamp -
Left
E35R
Exterior
Spot
Lamp -
Right
4685158

Interior Lights Schematics (Controls and Center Console Compartment Lamp)


K9
Body
Control
Module
F46DR
X1 14
X7 19
X7 3
328
GY/GN
156
GY
Interior Lights
Schematics
6815
WH/BN
6815
WH/BN
X4 27
X2 30
X3 25
X61A
Junction
Block -
Instrument
Panel
X3 41
28
X2 23
D07-DCK
6815
WH/BN
X225 4
6815
WH/BN
328
GY/GN
156
GY/BU
X316 5
6
X300 28
328
GY/GN
156
GY
6815
WH/BN
2
3
1
S12
Dome
Lamp
Switch
OFF
DOOR
ON
1
S5
Center
Console
Compartment
Lamp Switch
2
6815
WH/BN
1
E28
Center
Console
Compartment
Lamp
2
1050
BK
1050
BK
G210

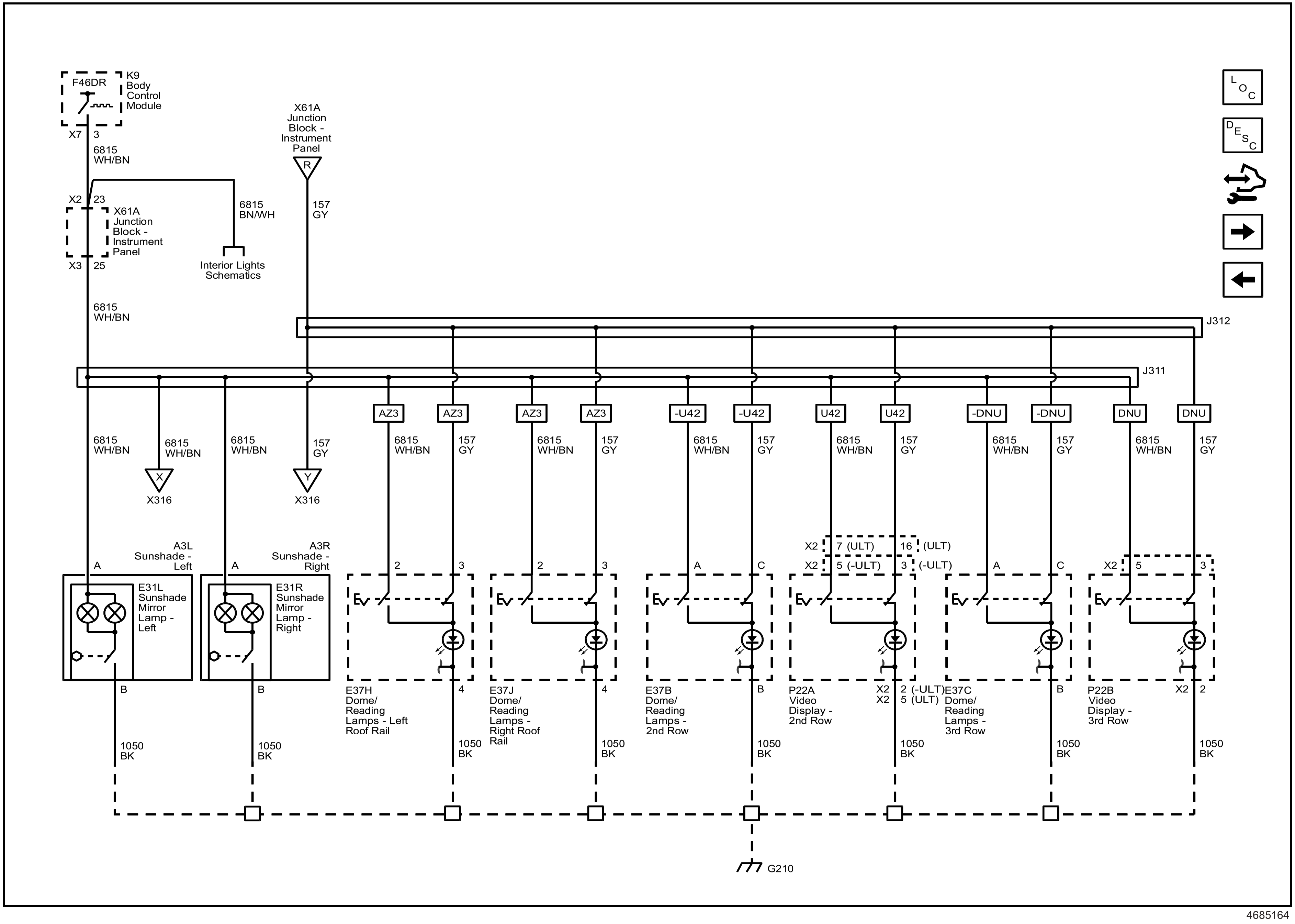
4685160

Interior Lights Schematics (Door Sill and D-Pillar Dome Lamps)

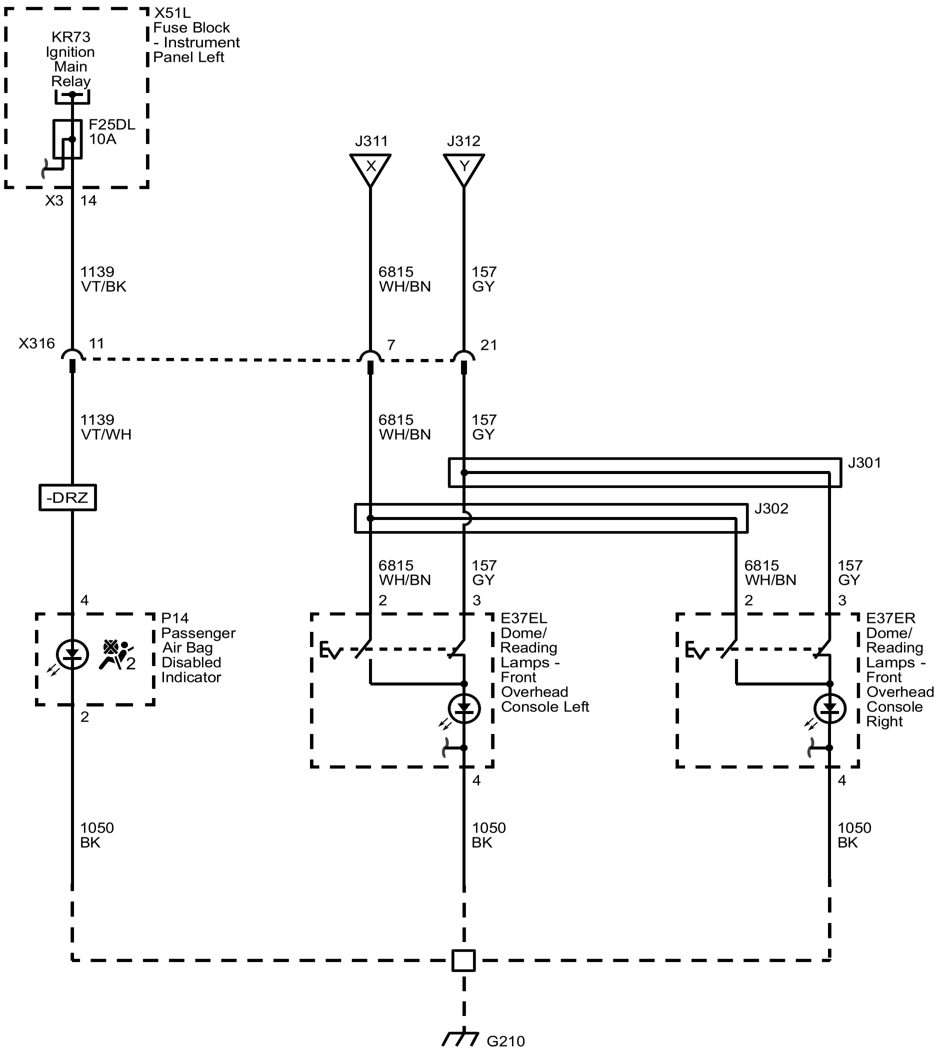

K9
Body
Control
Module
F47DR
X7
1
157
GY
Z75/-SWB
SWB-Z75
J322
-SWB
Z75
X486
E36AH
Dome
Lamp
A
B
1450
BK
G325
E8R
Door Sill
Plate Lamp
- Right
Rear
1250
BK
2
G312
E8B
Door Sill
Plate
Lamp -
Passenger
E8Q
Door Sill
Plate
Lamp -
Left Rear
1150
BK
G311
E8A
Door Sill
Plate
Lamp -
Driver
X61A
Junction
Block -
Instrument
Panel
X2
29
X3
R
J312

4685162

Interior Lights Schematics (Overhead Lamps (1 of 2))

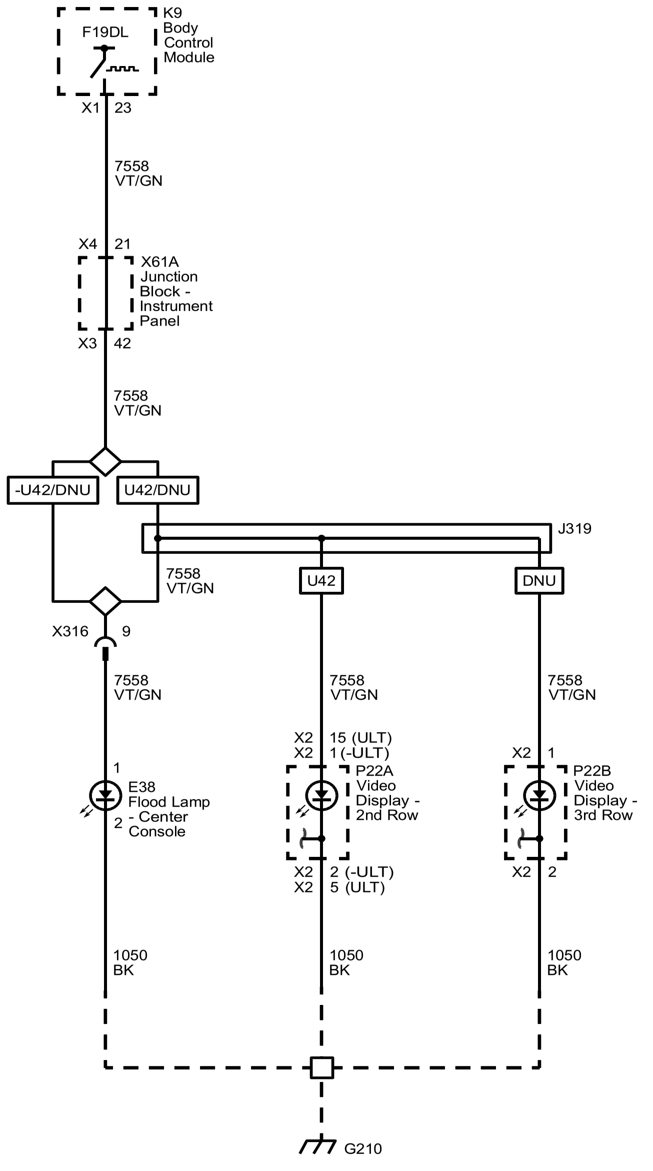

F46DR
K9 Body Control Module
X7 3
6815 WH/BN
X2 23
X61A Junction Block - Instrument Panel
X3 25
6815 BN/WH
Interior Lights Schematics
X61A Junction Block - Instrument Panel
R
157 GY
J312
J311
6815 WH/BN
X
X316
Y
X316
AZ3
AZ3
AZ3
AZ3
-U42
-U42
U42
U42
-DNU
-DNU
DNU
DNU
157 GY
A3L Sunshade - Left
A3R Sunshade - Right
E31L Sunshade Mirror Lamp - Left
E31R Sunshade Mirror Lamp - Right
A
B
2
3
4
A
C
B
X2 7 (ULT) 16 (ULT)
X2 5 (-ULT) 3 (-ULT)
X2 2 (-ULT)
X2 5 (ULT)
X2 5 3
X2 2
E37H Dome/ Reading Lamps - Left Roof Rail
E37J Dome/ Reading Lamps - Right Roof Rail
E37B Dome/ Reading Lamps - 2nd Row
P22A Video Display - 2nd Row
E37C Dome/ Reading Lamps - 3rd Row
P22B Video Display - 3rd Row
1050 BK
G210
L O C
D E S C
4685164

Interior Lights Schematics (Overhead Lamps (2 of 2))


X51L
Fuse Block
- Instrument
Panel Left
KR73
Ignition
Main
Relay
F25DL
10A
X3
14
1139
VT/BK
J311
X
J312
Y
6815
WH/BN
157
GY
X316
11
7
21
1139
VT/WH
6815
WH/BN
157
GY
J301
J302
-DRZ
6815
WH/BN
157
GY
6815
WH/BN
157
GY
4
2
3
2
3
P14
Passenger
Air Bag
Disabled
Indicator
2
E37EL
Dome/
Reading
Lamps -
Front
Overhead
Console Left
E37ER
Dome/
Reading
Lamps -
Front
Overhead
Console Right
2
4
4
1050
BK
1050
BK
1050
BK
G210

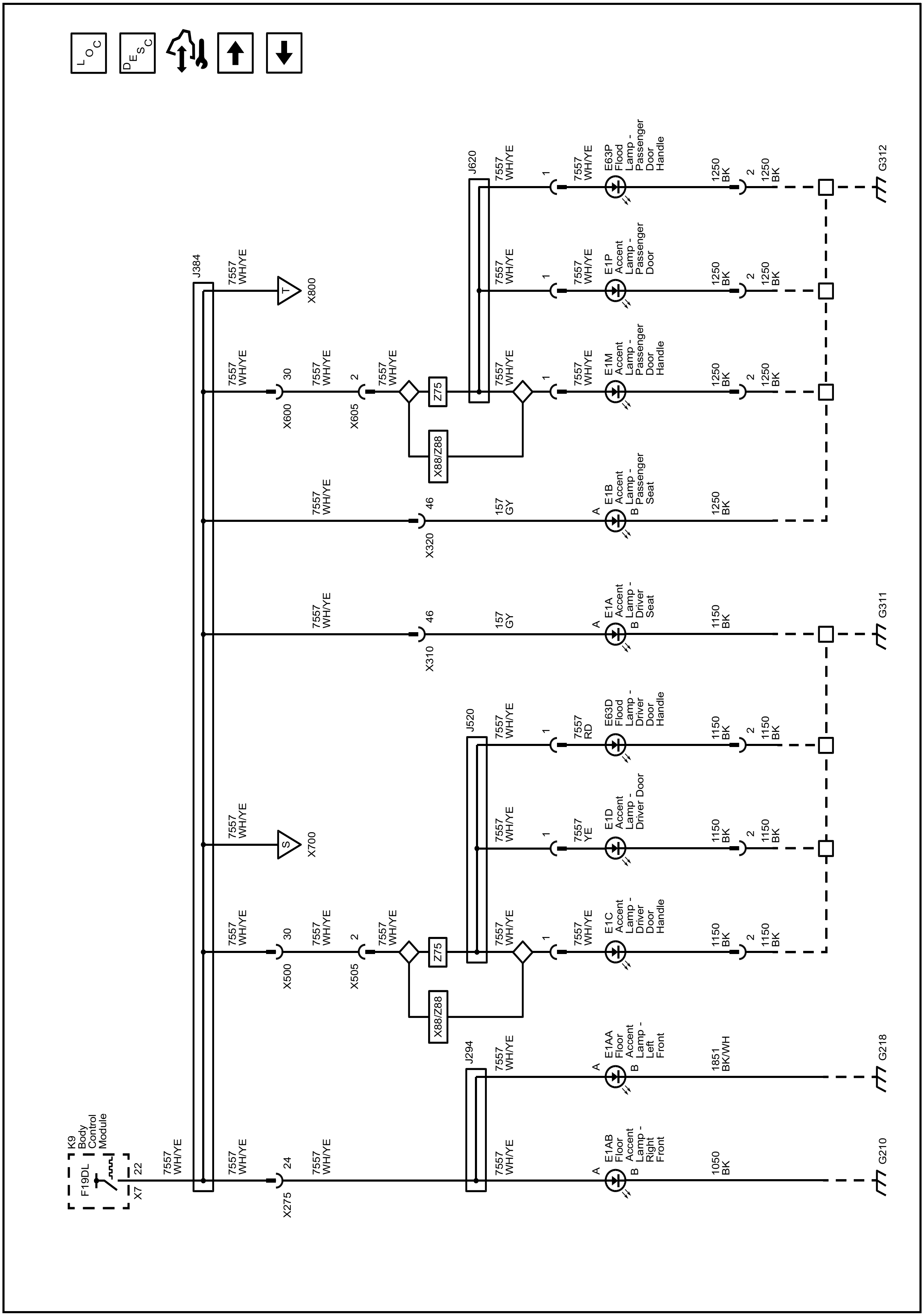
4685166

Interior Lights Schematics (Accent and Flood Lamps - Overhead Console and Video Displays (U42 and DNU))

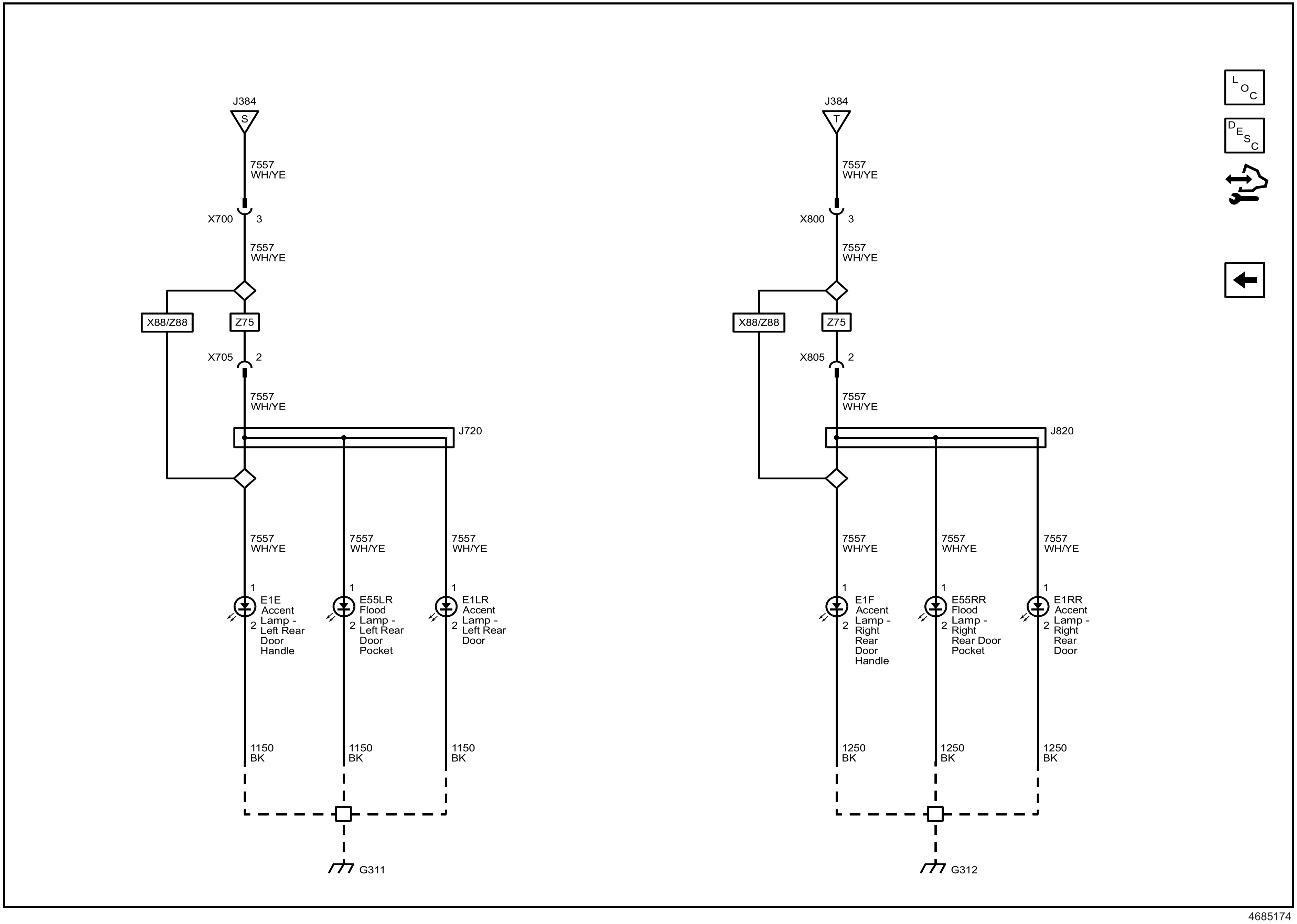

K9
Body
Control
Module
F19DL
X1 23
7558
VT/GN
X4 21
X61A
Junction
Block -
Instrument
Panel
X3 42
7558
VT/GN
-U42/DNU
U42/DNU
J319
7558
VT/GN
U42
DNU
X316 9
7558
VT/GN
1
E38
Flood Lamp
2 - Center
Console
X2 15 (ULT)
X2 1 (-ULT)
P22A
Video
Display -
2nd Row
X2 2 (-ULT)
X2 5 (ULT)
X2 1
P22B
Video
Display -
3rd Row
X2 2
1050
BK
G210

4685169

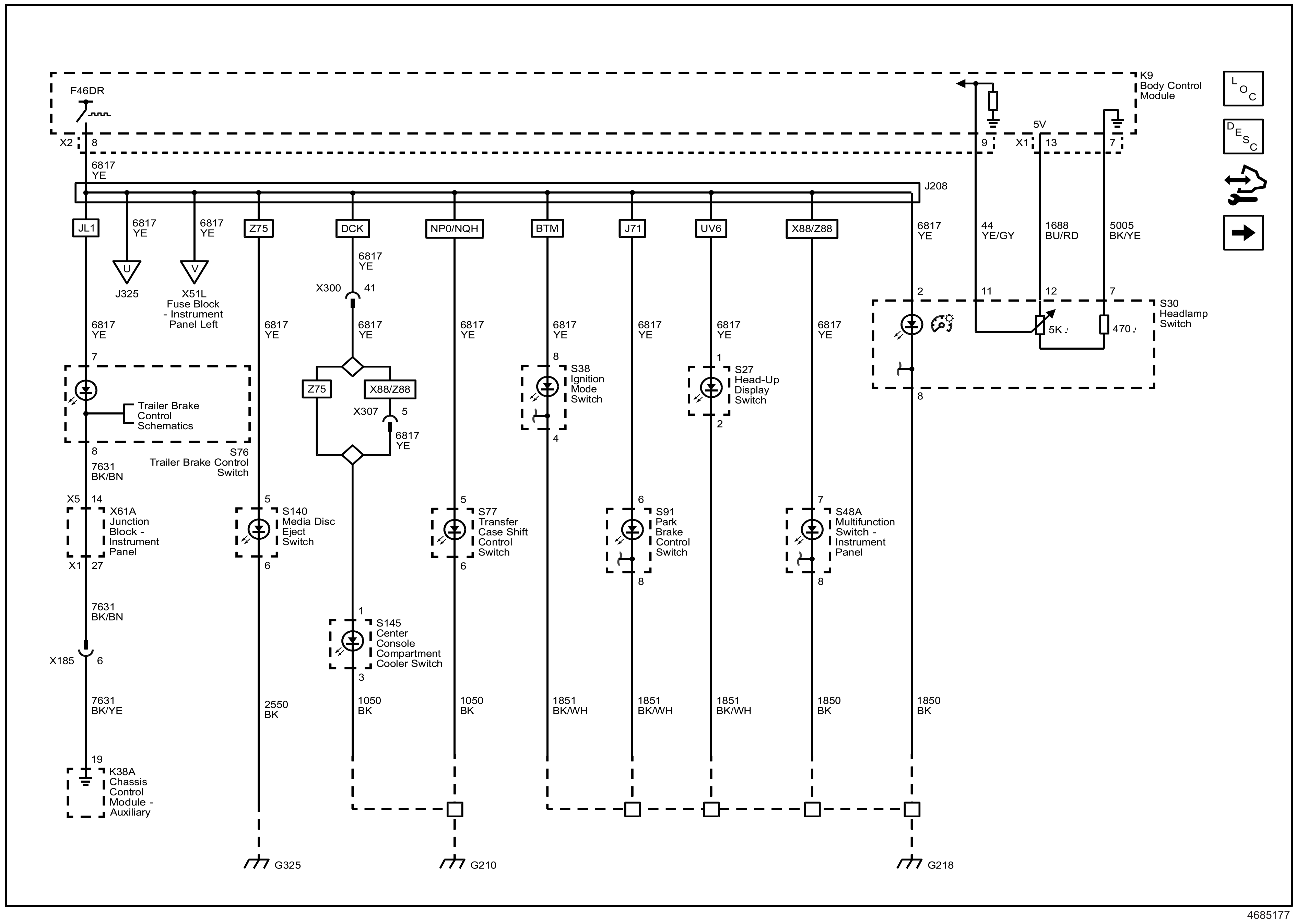
Interior Lights Schematics (Accent and Flood Lamps - Seats and Front Doors)


4685171
LOC
DESC
K9 Body Control Module
F19DL
X7 22
7557 WH/YE
J384
X275 24
X500 30
X505 2
X600 30
X605 2
X310 46
X320 46
X700 S
X800 T
Z75
X88/Z88
J294
J520
J620
157 GY
7557 RD
7557 YE
E1AB Floor Accent Lamp - Right Front
E1AA Floor Accent Lamp - Left Front
E1C Accent Lamp - Driver Door Handle
E1D Accent Lamp - Driver Door
E63D Flood Lamp - Driver Door Handle
E1A Accent Lamp - Driver Seat
E1B Accent Lamp - Passenger Seat
E1M Accent Lamp - Passenger Door Handle
E1P Accent Lamp - Passenger Door
E63P Flood Lamp - Passenger Door Handle
A
B
1
2
1050 BK
1851 BK/WH
1150 BK
1250 BK
G210
G218
G311
G312

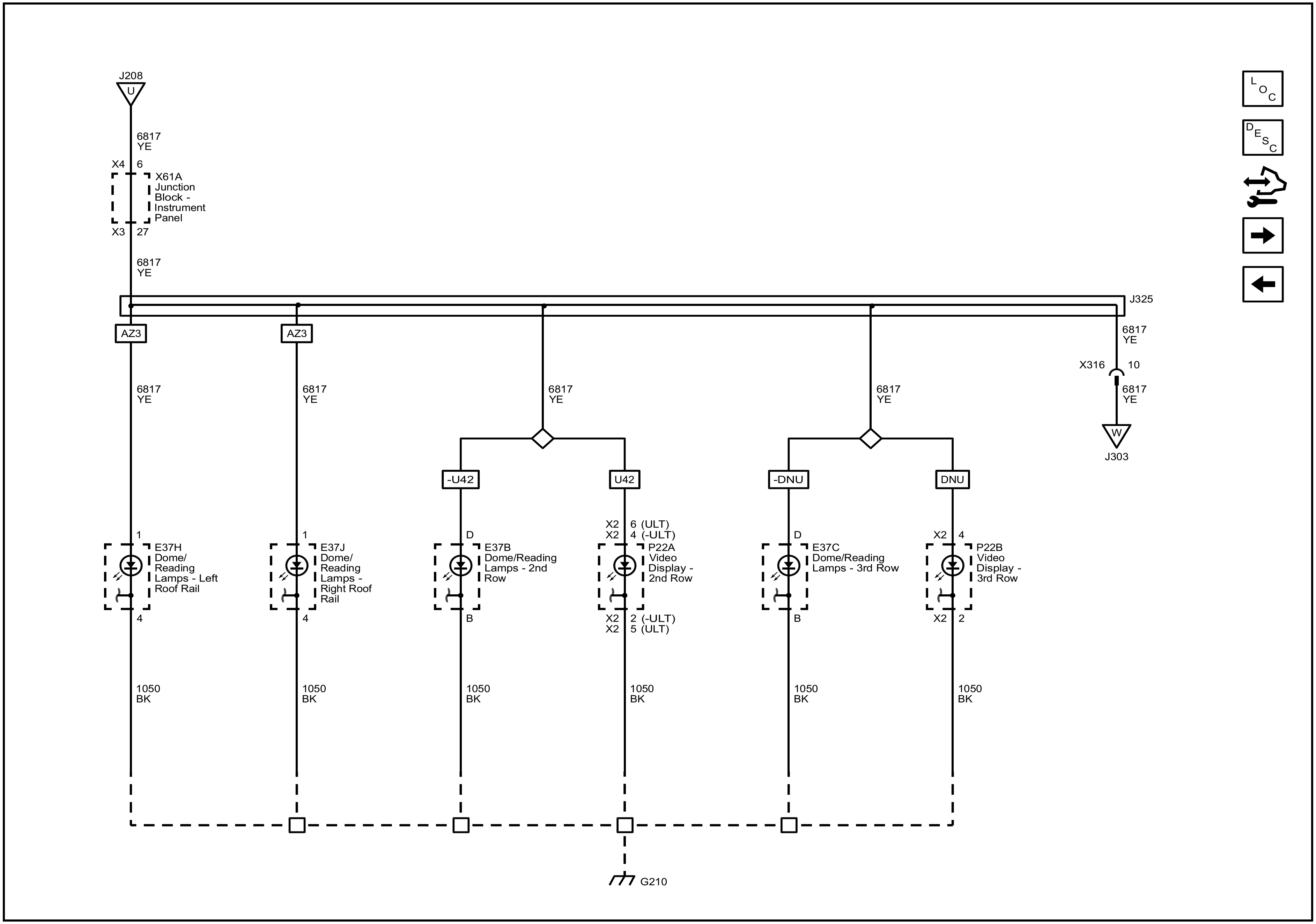
Interior Lights Schematics (Accent and Flood Lamps - Rear Doors)


L O C
D E S C
J384
S
7557
WH/YE
X700
3
7557
WH/YE
X88/Z88
Z75
X705
2
7557
WH/YE
J720
7557
WH/YE
7557
WH/YE
7557
WH/YE
1
E1E
Accent
Lamp -
Left Rear
Door
Handle
2
1
E55LR
Flood
Lamp -
Left Rear
Door
Pocket
2
1
E1LR
Accent
Lamp -
Left Rear
Door
2
1150
BK
1150
BK
1150
BK
G311
J384
T
7557
WH/YE
X800
3
7557
WH/YE
X88/Z88
Z75
X805
2
7557
WH/YE
J820
7557
WH/YE
7557
WH/YE
7557
WH/YE
1
E1F
Accent
Lamp -
Right
Rear
Door
Handle
2
1
E55RR
Flood
Lamp -
Right
Rear Door
Pocket
2
1
E1RR
Accent
Lamp -
Right
Rear
Door
2
1250
BK
1250
BK
1250
BK
G312
4685174

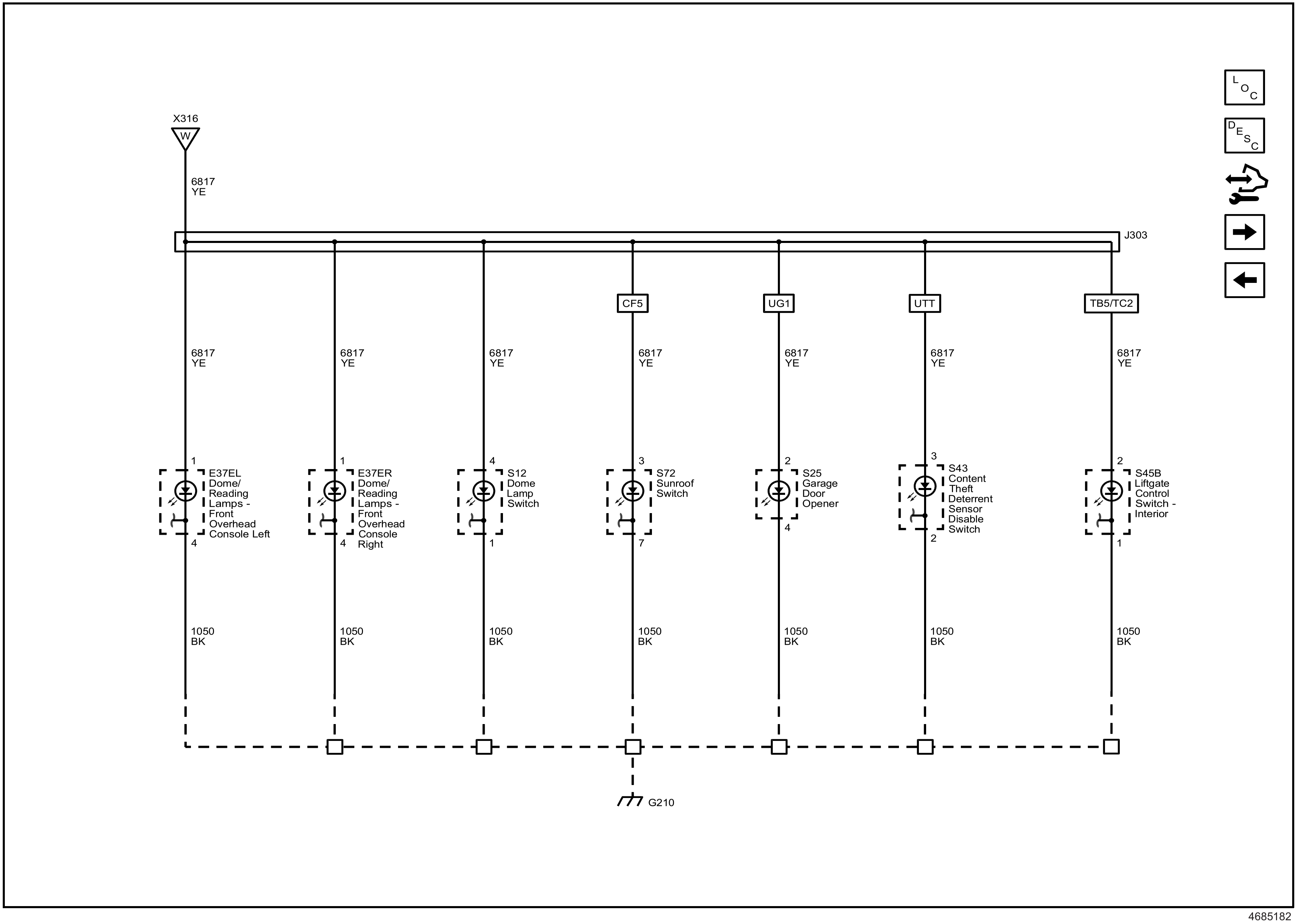
Interior Lights Dimming Schematics (Instrument Panel and Floor Console Dimming)


K9
Body Control
Module
F46DR
X2
8
5V
X1
9
13
7
6817
YE
J208
JL1
6817
YE
6817
YE
Z75
DCK
NP0/NQH
BTM
J71
UV6
X88/Z88
6817
YE
44
YE/GY
1688
BU/RD
5005
BK/YE
U
J325
V
X51L
Fuse Block
- Instrument
Panel Left
6817
YE
X300
41
2
11
12
7
S30
Headlamp
Switch
5K Ω
470 Ω
8
6817
YE
6817
YE
6817
YE
6817
YE
6817
YE
6817
YE
6817
YE
6817
YE
7
Trailer Brake
Control
Schematics
8
S76
Trailer Brake Control
Switch
7631
BK/BN
X5
14
X61A
Junction
Block -
Instrument
Panel
X1
27
7631
BK/BN
X185
6
7631
BK/YE
19
K38A
Chassis
Control
Module -
Auxiliary
Z75
X88/Z88
X307
5
6817
YE
5
S140
Media Disc
Eject
Switch
6
2550
BK
G325
1
S145
Center
Console
Compartment
Cooler Switch
3
1050
BK
5
S77
Transfer
Case Shift
Control
Switch
6
1050
BK
G210
8
S38
Ignition
Mode
Switch
4
1851
BK/WH
6
S91
Park
Brake
Control
Switch
8
1851
BK/WH
1
S27
Head-Up
Display
Switch
2
1851
BK/WH
7
S48A
Multifunction
Switch -
Instrument
Panel
8
1850
BK
1850
BK
G218
4685177

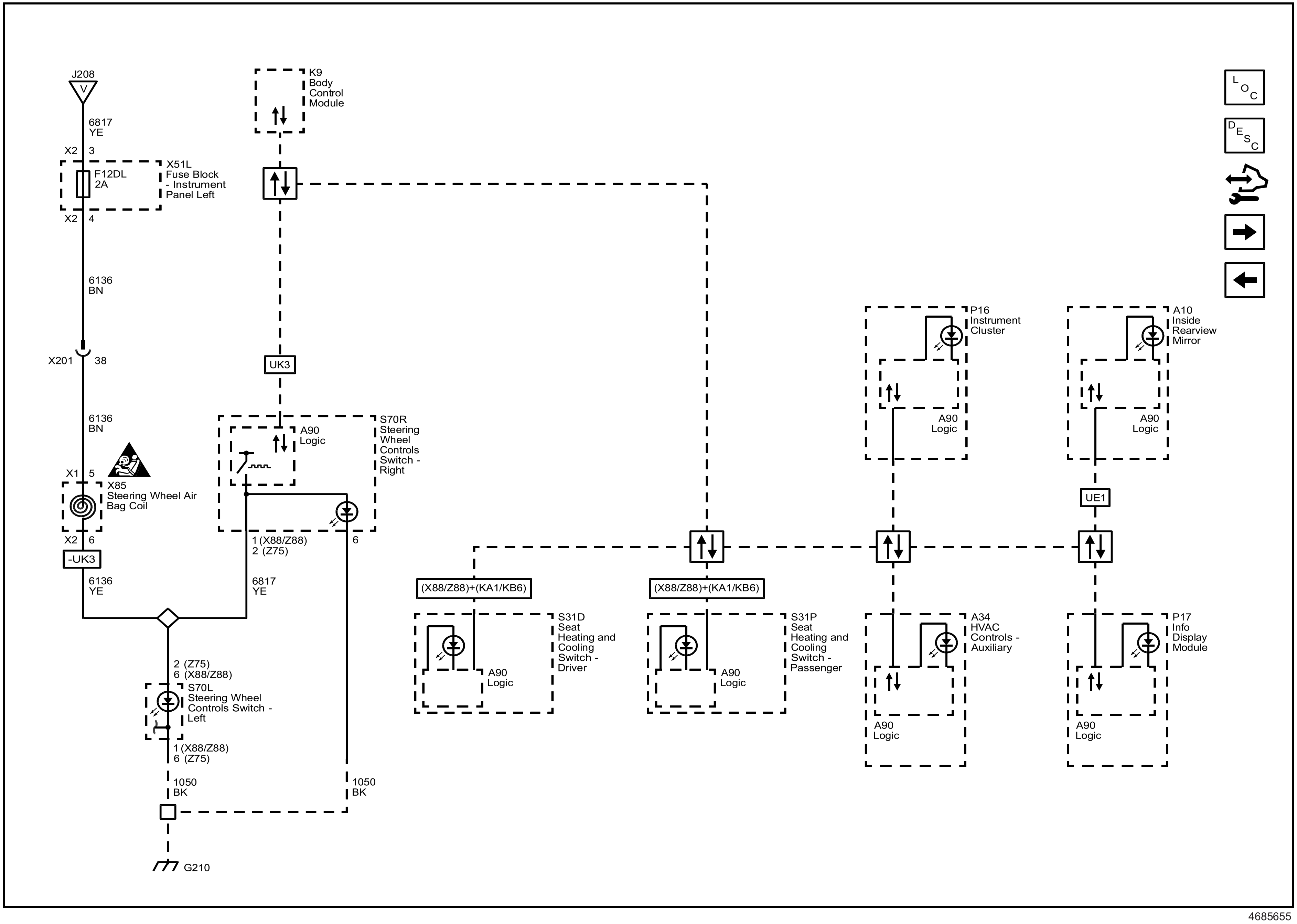
Interior Lights Dimming Schematics (Headliner and Overhead Console Dimming (1 of 2))


J208
U
6817
YE
X4 6
X61A
Junction
Block -
Instrument
Panel
X3 27
6817
YE
J325
AZ3
AZ3
6817
YE
6817
YE
6817
YE
6817
YE
6817
YE
X316 10
6817
YE
W
J303
-U42
U42
-DNU
DNU
1
E37H
Dome/
Reading
Lamps - Left
Roof Rail
4
1
E37J
Dome/
Reading
Lamps -
Right Roof
Rail
4
D
E37B
Dome/Reading
Lamps - 2nd
Row
B
X2 6 (ULT)
X2 4 (-ULT)
P22A
Video
Display -
2nd Row
X2 2 (-ULT)
X2 5 (ULT)
D
E37C
Dome/Reading
Lamps - 3rd Row
B
X2 4
P22B
Video
Display -
3rd Row
X2 2
1050
BK
1050
BK
1050
BK
1050
BK
1050
BK
1050
BK
G210
4685180

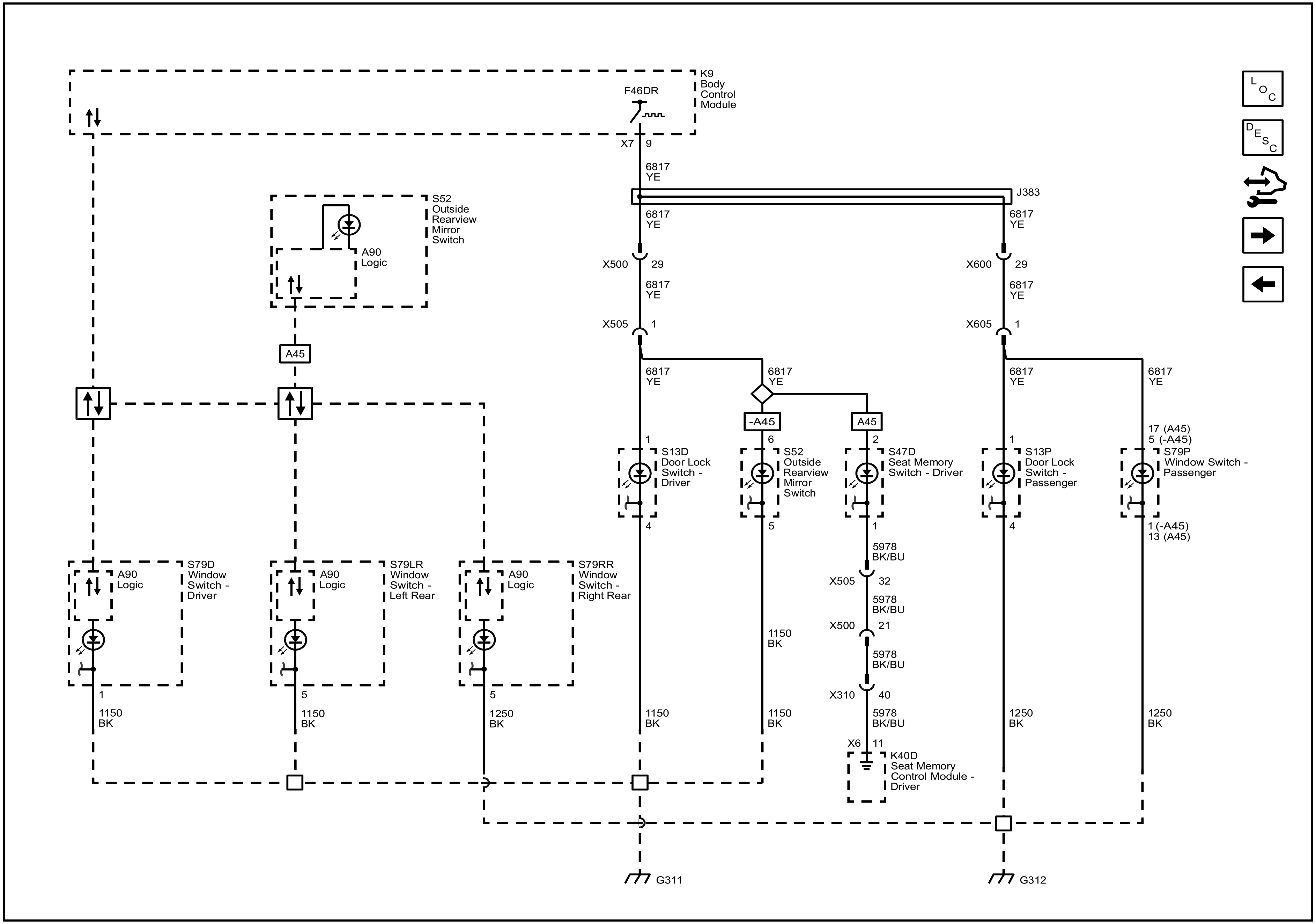
Interior Lights Dimming Schematics (Headliner and Overhead Console Dimming (2 of 2))


LOC
DESC
X316
W
6817
YE
J303
CF5
UG1
UTT
TB5/TC2
6817
YE
1
E37EL
Dome/
Reading
Lamps -
Front
Overhead
Console Left
4
1
E37ER
Dome/
Reading
Lamps -
Front
Overhead
Console
Right
4
4
S12
Dome
Lamp
Switch
1
3
S72
Sunroof
Switch
7
2
S25
Garage
Door
Opener
4
3
S43
Content
Theft
Deterrent
Sensor
Disable
Switch
2
2
S45B
Liftgate
Control
Switch -
Interior
1
1050
BK
G210
4685182

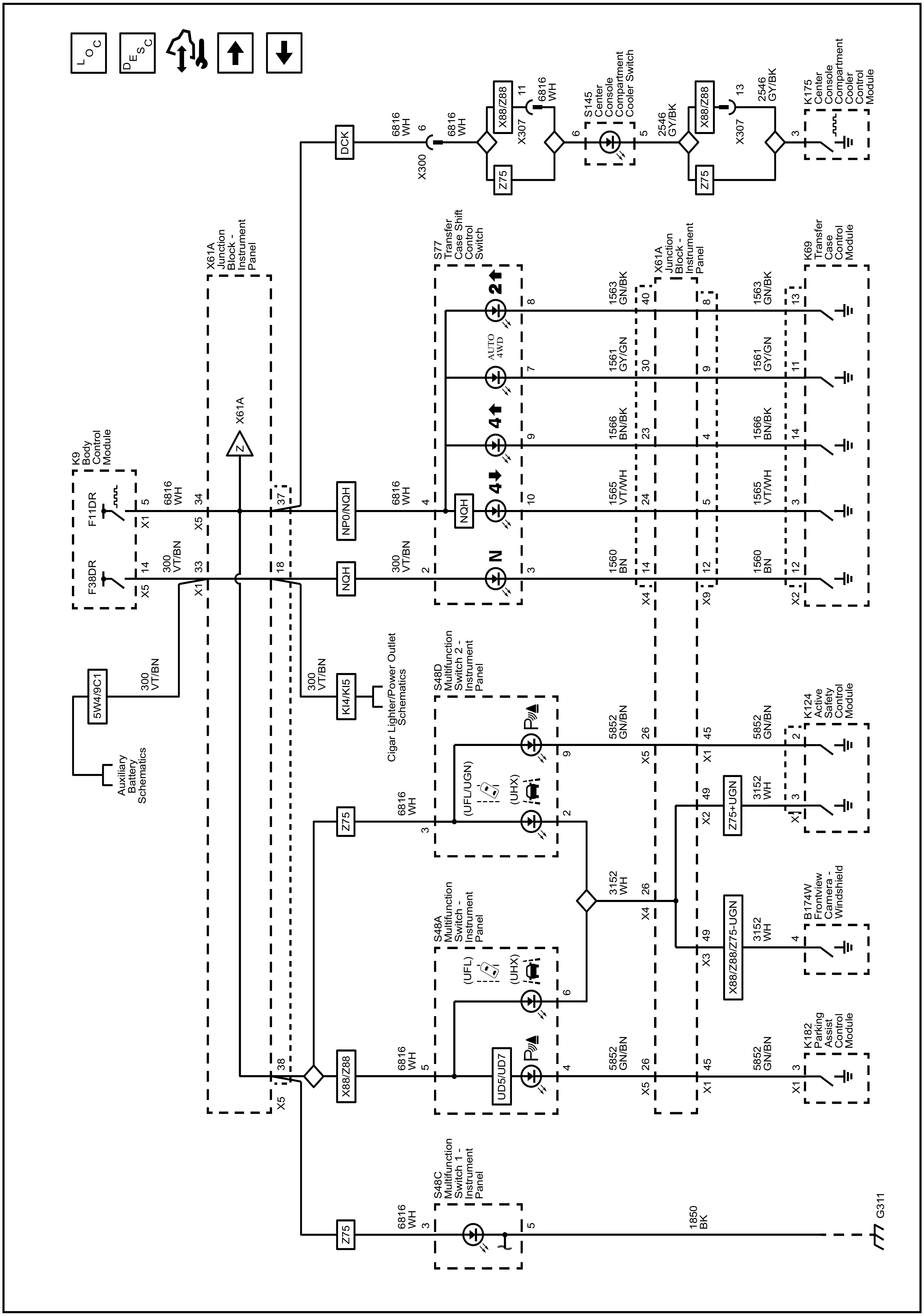
Interior Lights Dimming Schematics (Steering Wheel and Control Dimming)


J208
V
6817
YE
X2 3
F12DL
2A
X51L
Fuse Block
- Instrument
Panel Left
X2 4
6136
BN
X201 38
6136
BN
X1 5
X85
Steering Wheel Air
Bag Coil
X2 6
-UK3
6136
YE
2 (Z75)
6 (X88/Z88)
S70L
Steering Wheel
Controls Switch -
Left
1 (X88/Z88)
6 (Z75)
1050
BK
G210
K9
Body
Control
Module
UK3
A90
Logic
S70R
Steering
Wheel
Controls
Switch -
Right
1 (X88/Z88)
2 (Z75)
6
6817
YE
1050
BK
(X88/Z88)+(KA1/KB6)
S31D
Seat
Heating and
Cooling
Switch -
Driver
A90
Logic
(X88/Z88)+(KA1/KB6)
S31P
Seat
Heating and
Cooling
Switch -
Passenger
A90
Logic
P16
Instrument
Cluster
A90
Logic
A34
HVAC
Controls -
Auxiliary
A90
Logic
A10
Inside
Rearview
Mirror
A90
Logic
UE1
P17
Info
Display
Module
A90
Logic
L O C
D E S C
4685655

Interior Lights Dimming Schematics (Door Locks, Windows and Mirror Switch Dimming)

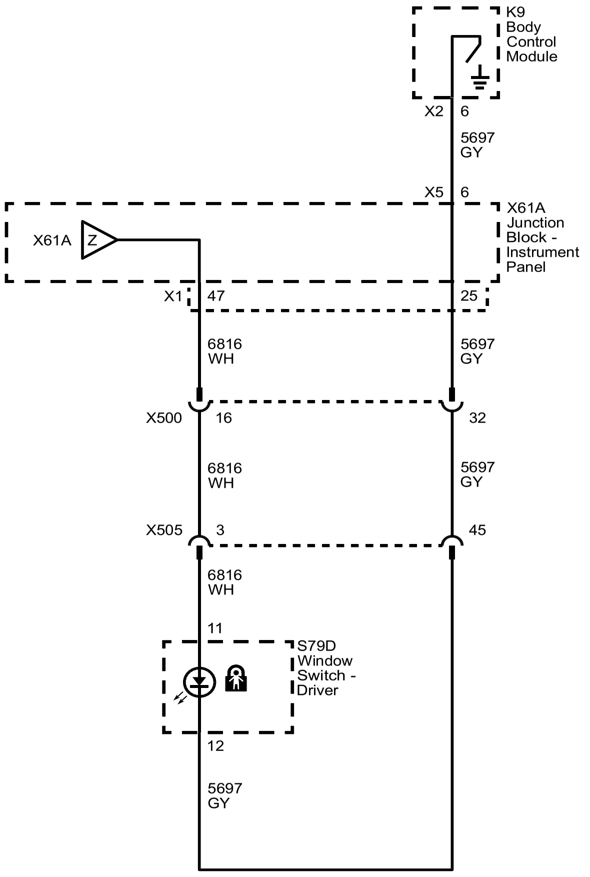

LOC
DESC
K9
Body
Control
Module
F46DR
X7 9
6817
YE
J383
6817
YE
X500 29
X600 29
X505 1
X605 1
S52
Outside
Rearview
Mirror
Switch
A90
Logic
A45
-A45
6
5
S13D
Door Lock
Switch -
Driver
1
4
S47D
Seat Memory
Switch - Driver
2
S13P
Door Lock
Switch -
Passenger
17 (A45)
5 (-A45)
S79P
Window Switch -
Passenger
1 (-A45)
13 (A45)
5978
BK/BU
X505 32
X500 21
X310 40
X6 11
K40D
Seat Memory
Control Module -
Driver
S79D
Window
Switch -
Driver
S79LR
Window
Switch -
Left Rear
S79RR
Window
Switch -
Right Rear
1150
BK
1250
BK
G311
G312
4685966

Interior Lights Dimming Schematics (Indicators Lamps (1 of 3))



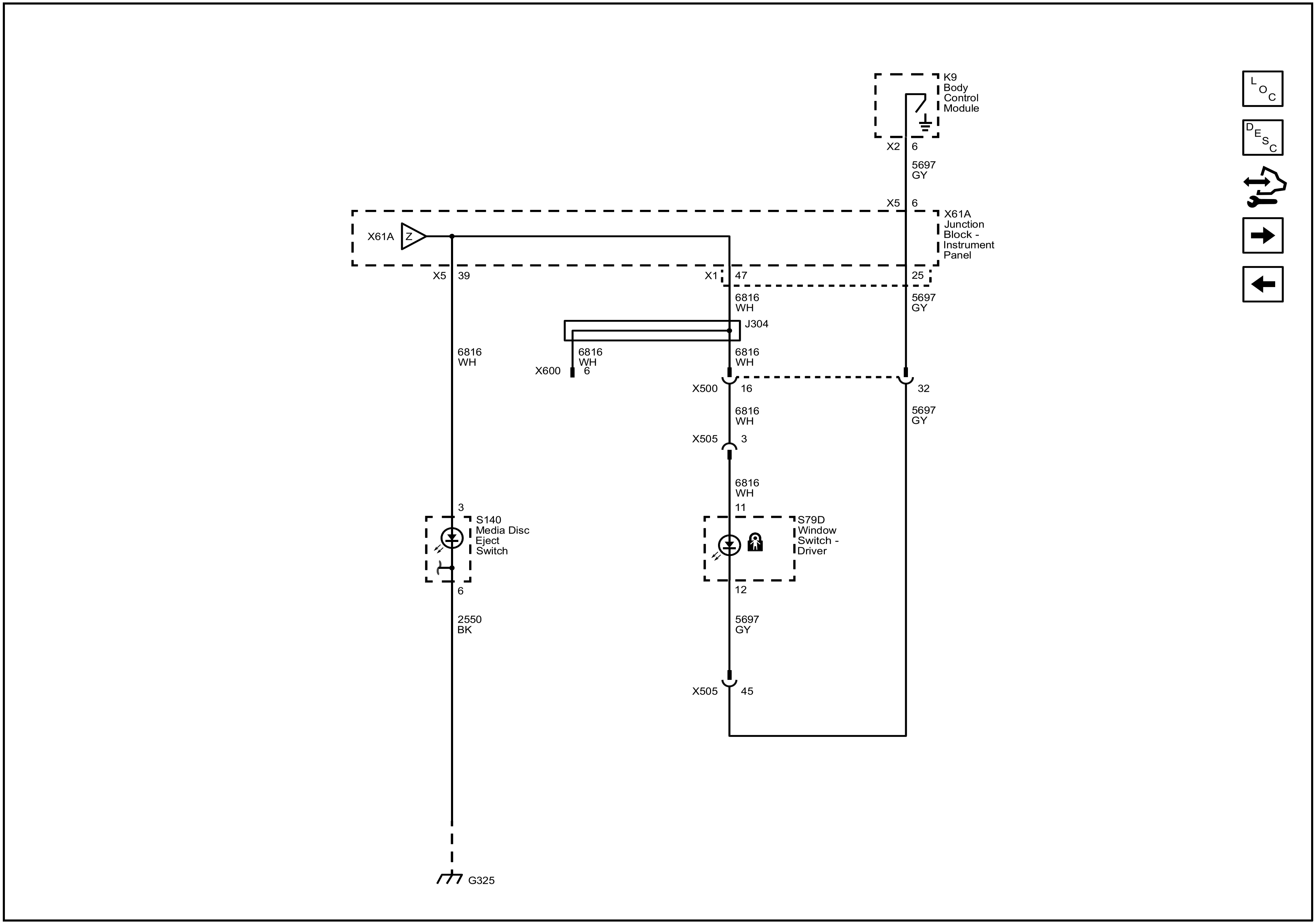
LOC
DESC
4686201
K9 Body Control Module
F38DR
F11DR
X5 14
X1 5
300 VT/BN
6816 WH
5W4/9C1
Auxiliary Battery Schematics
X61A Junction Block - Instrument Panel
X1 33
X5 34
Z X61A
18
37
38
X5
DCK
X300 6
6816 WH
X88/Z88
X307 11
6816 WH
Z75
S145 Center Console Compartment Cooler Switch
6
5
2546 GY/BK
X307 13
K175 Center Console Compartment Cooler Control Module
3
NQH
NP0/NQH
KI4/KI5
Cigar Lighter/Power Outlet Schematics
S77 Transfer Case Shift Control Switch
2
4
N
4
2
AUTO 4WD
3
10
9
7
8
1560 BN
1565 VT/WH
1566 BN/BK
1561 GY/GN
1563 GN/BK
X4 14 24 23 30 40
X9 12 5 4 9 8
X2 12 3 14 11 13
K69 Transfer Case Control Module
S48D Multifunction Switch 2 - Instrument Panel
(UFL/UGN)
(UHX)
5852 GN/BN
X5 26
X1 45
K124 Active Safety Control Module
2
X1 3
X2 49
Z75+UGN
3152 WH
X4 26
X3 49
X88/Z88/Z75-UGN
B174W Frontview Camera - Windshield
4
S48A Multifunction Switch - Instrument Panel
(UFL)
(UHX)
UD5/UD7
6
5
K182 Parking Assist Control Module
S48C Multifunction Switch 1 - Instrument Panel
1850 BK
G311

Interior Lights Dimming Schematics (Indicators Lamps (2 of 3) (X88 or Z88))


K9
Body
Control
Module
X2 6
5697
GY
X5 6
X61A
Junction
Block -
Instrument
Panel
X61A
Z
X1 47
25
6816
WH
5697
GY
X500 16
32
6816
WH
5697
GY
X505 3
45
6816
WH
11
S79D
Window
Switch -
Driver
12
5697
GY

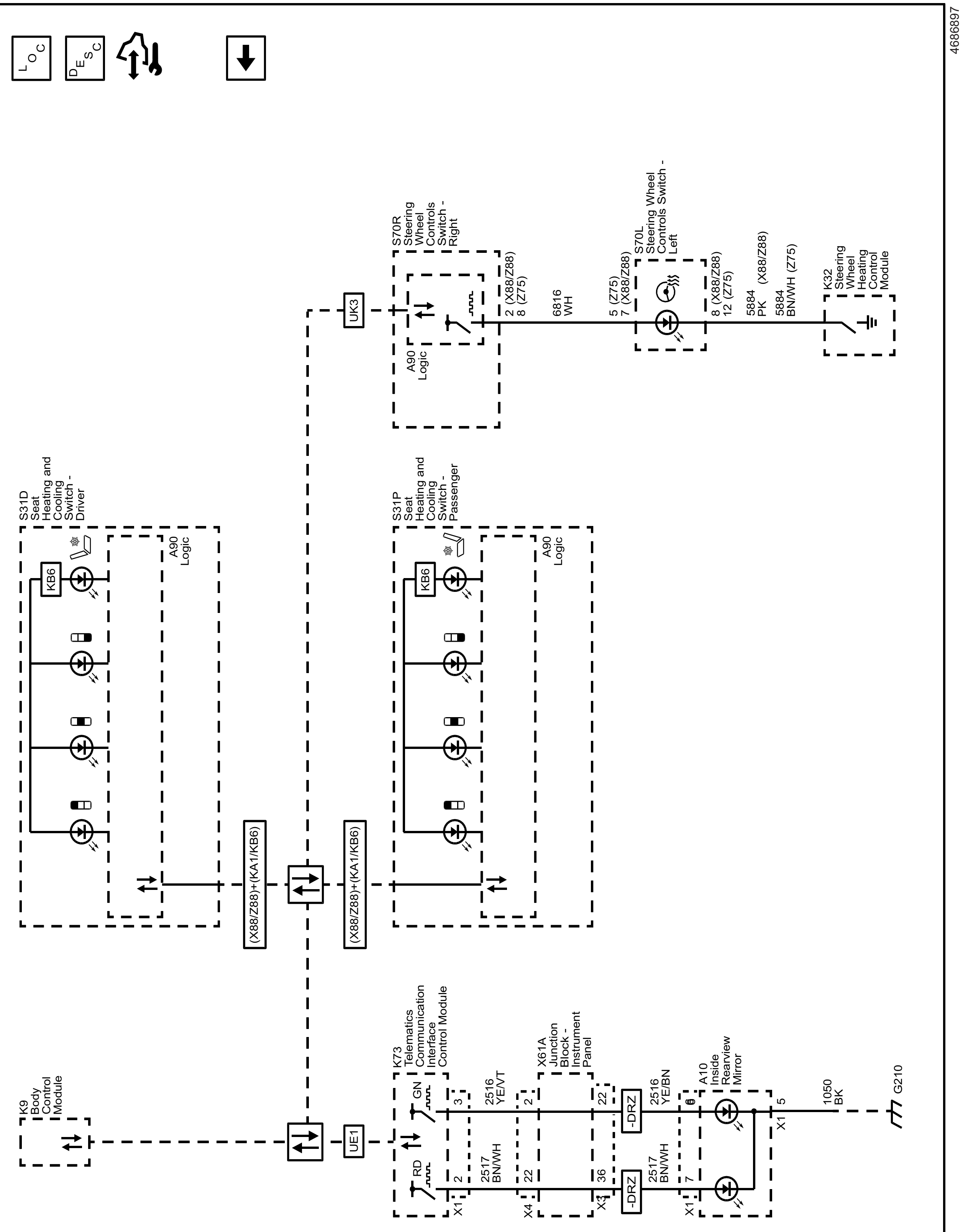
4686416

Interior Lights Dimming Schematics (Indicators Lamps (2 of 3) (Z75))


L O C
D E S C
K9
Body
Control
Module
X2 6
5697
GY
X5 6
X61A
Junction
Block -
Instrument
Panel
X61A Z
X5 39
X1 47
25
6816
WH
5697
GY
J304
6816
WH
X600 6
X500 16
32
X505 3
11
S79D
Window
Switch -
Driver
12
5697
GY
X505 45
3
S140
Media Disc
Eject
Switch
6
2550
BK
G325

4686642

Interior Lights Dimming Schematics (Indicators Lamps (3 of 3))


4686897
K9 Body Control Module
UE1
K73 Telematics Communication Interface Control Module
GN
RD
X1 3
X1 2
2516 YE/VT
2517 BN/WH
X61A Junction Block - Instrument Panel
X4 2
X4 22
X3 22
X3 36
-DRZ
-DRZ
2516 YE/BN
2517 BN/WH
A10 Inside Rearview Mirror
X1 6
X1 7
X1 5
1050 BK
G210
(X88/Z88)+(KA1/KB6)
(X88/Z88)+(KA1/KB6)
S31D Seat Heating and Cooling Switch - Driver
KB6
A90 Logic
S31P Seat Heating and Cooling Switch - Passenger
KB6
A90 Logic
UK3
S70R Steering Wheel Controls Switch - Right
A90 Logic
2 (X88/Z88)
8 (Z75)
6816 WH
5 (Z75)
7 (X88/Z88)
S70L Steering Wheel Controls Switch - Left
8 (X88/Z88)
12 (Z75)
5884 PK (X88/Z88)
5884 BN/WH (Z75)
K32 Steering Wheel Heating Control Module

Description and Operation

Exterior Lighting Systems Description and Operation

The exterior lighting system consist of the following lamps:

- Automatic high beam assist
- Backup lamps
- Cornering lamps (Z75)
- Daytime running lamps
- Exterior courtesy lamps
- Hazard warning lamps
- Headlamps
- Park, tail, license, and marker lamps
- Stop lamps
- Turn signal lamps

Low Beam Headlamps

The headlamps may be turned ON in 3 different ways:

- When the headlamp switch is placed in the ON position, for normal operation
- When the headlamp switch is placed in the AUTO position, for automatic lamp control
- When the headlamp switch is placed in the AUTO position, with the windshield wipers ON in daylight conditions, after a 6 second delay

The BCM will also command the low beam headlamps ON during daylight conditions when the following conditions are met:

- Headlamp switch in the AUTO position
- Windshield wipers ON
- Vehicle in any gear but PARK

When the BCM commands the low beam headlamps ON, the vehicle operator will notice the interior backlighting for the instrument cluster and the various switches with backlighting control will dim to the level of brightness selected by the instrument panel dimmer switch.

Low Beam Headlamps (without T4F)

The body control module (BCM) monitors three signal circuits from the headlamp switch. When the headlamp switch is in the AUTO position, all three signal circuits are open. When placed in the AUTO position, the BCM monitors inputs from the ambient light sensor to determine if headlamps are required or if daytime running lamps will be activated based on outside lighting conditions. When the headlamp switch is placed in the OFF position, the headlamp switch headlamps OFF signal circuit is grounded, indicating to the BCM that the exterior lamps should be turned OFF. With the headlamp switch in the PARK position, the headlamp switch park lamps ON signal circuit is grounded, indicating that the park lamps have been requested. When the headlamp switch is placed in the HEADLAMP position, both the headlamp switch park lamps ON signal circuit and the headlamp switch headlamps ON signal circuit are grounded. The BCM responds to the inputs by illuminating the park lamps and headlamps. When the low beam headlamps are requested, the BCM applies B+ to both low beam headlamp control circuits illuminating the low beam headlamps.

Low Beam Headlamps (with Z75)

The body control module (BCM) monitors three signal circuits from the headlamp switch. When the headlamp switch is in the AUTO position, all three signal circuits are open. When placed in the AUTO position, the BCM monitors inputs from the ambient light sensor to determine if headlamps are required or if daytime running lamps will be activated based on outside lighting conditions. When the headlamp switch is placed in the OFF position, the headlamp switch headlamps OFF signal circuit is grounded, indicating to the BCM that the exterior lamps should be turned OFF. With the headlamp switch in the PARK position, the headlamp switch park lamps ON signal circuit is grounded, indicating that the park lamps have been requested. When the headlamp switch is placed in the HEADLAMP position, both the headlamp switch park lamps ON signal circuit and the headlamp switch headlamps ON signal circuit are grounded. The BCM responds to the inputs by illuminating the park lamps and headlamps. When the low beam headlamps are requested, the BCM applies B+ to both low beam headlamp control circuits to the left and right multifunction light emitting diode (LED) control modules located in each headlamp assembly. The multifunction LED control modules respond the to the B+ input from the BCM by illuminating the left and right low beam LED headlamps.

Low Beam Headlamps (with T4F)

Warning: The high intensity discharge system produces high voltage and current. To reduce the risk of severe shocks and burns:

- ***Never open the high intensity discharge system ballast or the arc tube assembly starter.***
- ***Never probe between the high intensity discharge system ballast output connector and the arc tube assembly.***

The body control module (BCM) monitors three signal circuits from the headlamp switch. When the headlamp switch is in the AUTO position, all three signal circuits are open. When placed in the AUTO position, the BCM monitors inputs from the ambient light sensor to determine if headlamps are required or if daytime running lamps will be activated based on outside lighting conditions. When the headlamp switch is placed in the OFF position, the headlamp switch headlamps OFF signal circuit is grounded, indicating to the BCM that the exterior lamps should be turned OFF. With the headlamp switch in the PARK position, the headlamp switch park lamps ON signal circuit is grounded, indicating that the park lamps have been requested. When the headlamp switch is placed in the HEADLAMP position, both the headlamp switch park lamps ON signal circuit and the headlamp switch headlamps ON signal circuit are grounded. The BCM responds to the low beam request by applying ground to the low beam relay control circuit which energizes the low beam relay. With the low beam relay energized, the switch contacts close allowing battery voltage to flow through the low beam fuses. Battery voltage is then applied from the fuses, through the low beam control circuits to the left and right headlamp ballast located in each headlamp assembly. When battery voltage is applied to the headlamp ballast through the low beam control circuits, the ballast charge the starter to start the lamp. High intensity discharge (HID) headlamps do not have filaments like traditional bulbs, instead the starter uses a high voltage transformer to convert the input voltage into a higher voltage. This increased voltage is used in order to create an arc between the electrodes in the bulb.

Run Up Of The Lamp

Each ballast requires higher amperage in order to ensure normal startup and run up of the lamp. Run up is the term used to describe the extra power level given to the bulb. The input current during the steady state operation is lower that the start up amperage. After the lamp receives the strike from the starter and the arc is established, the ballast uses its operating voltage in order to provide the run up power needed in order to keep the lamp on. The lamp rapidly increases in intensity from a dim glow to a very high-intensity, bright light called a steady state. Within a few seconds of the arc being established in the bulb, the majority of steady state is complete. 100 percent of the steady state is completed shortly there after. A high watt power level is necessary in order to bring the lamp to a steady state in such a short period of time. The high watt power level allows the lamp to meet the SAE light vs. time specification.

When To Change The HID Bulb

Bulb failure, end of life occurs when the bulb gets old and becomes unstable. The bulb may begin shutting itself off sporadically and unpredictably at first, perhaps only once during a 24 hour period. When the bulb begins shutting itself off occasionally, the ballast will automatically turn the bulb back on again within 0.5 seconds. The ballast will re-strike the bulb so quickly that the bulb may not appear to have shut off. As the bulb ages, the bulb may begin to shut off more frequently, eventually over 30 times per minute. When the bulb begins to shut off more frequently, the ballast receives excessive, repetitive current input . Repetitive and excessive restarts or re-strikes, without time for the ballast to cool down, will permanently damage the ballast. As a safeguard, when repetitive re-strikes are detected, the ballast will not attempt to re-strike the lamp. The ballast then shuts down and the bulb goes out.

The following symptoms are noticeable signs of bulb failure:

- Flickering light, caused in the early stages of bulb failure
- Lights go out, caused when the ballast detects excessive, repetitive bulb re-strike
- Color change – The lamp may change to a dim pink glow.

Input power to the ballast must be terminated in order to reset the ballast's fault circuitry. In order to terminate the input power to the ballast, turn the lights off and back on again. Turning the lights off and back on again resets all of the fault circuitry within the ballast until the next occurrence of excessive, repetitive bulb re-strikes. When excessive, repetitive bulb re-strikes occur, replace the starter/arc tube assembly. The ballast will begin the start-up process when the starter/arc tube assembly is replaced. Repeatedly resetting the input power can overheat the internal components and cause permanent damage to the ballast. Allow a few minutes of cool-down time in between reset attempts.

Light Color

White light has a different color rating than regular headlamps. The range of white light that is acceptable is broad when compared to halogens. Therefore, some variation in headlight coloring between the right and left headlamp will be normal. One high intensity discharge (HID) at the end of the normal range may appear considerably different in color from one at the other end of the range. Difference in color is normal. Replace the arc tube only if the arc tube is determined to be at the bulb failure stage.

High Beam Headlamps (with and without T4F)

When the low beam headlamps are ON and the turn signal/multifunction switch is placed in the high beam position, ground is applied to the BCM through the high beam signal circuit. The BCM responds to the high beam request by applying ground to the high beam relay control circuit which energizes the high beam relay. With the high beam relay energized, the switch contacts close allowing battery voltage to flow through the 3 pin high beam fuse to the high beam control circuits illuminating the left and right high beam headlamps.

High Beam Headlamps (with Z75)

When the low beam headlamps are ON and the turn signal/multifunction switch is placed in the high beam position, ground is applied to the BCM through the high beam signal circuit. The BCM responds to the high beam request by applying ground to the high beam relay control circuit which energizes the high beam relay. With the high beam relay energized, the switch contacts close allowing battery voltage to flow through the 3 pin high beam fuse to the high beam control circuits. The high beam control circuits are connected to the left and right multifunction light emitting diode (LED) control modules located in each headlamp assembly. The multifunction LED control modules respond the to the B+ input from the high beam relay by illuminating the left and right high beam LED headlamps.

Automatic High Beam Assist (AHBA)

The automatic high beam assist (AHBA) system operates the high beam headlamps ON and OFF automatically when the system is activated and certain conditions are met. The AHBA system consists of a front camera module that detects light and is able to identify approaching vehicles on an even, straight road at a distance of greater than 0.4 km (0.25 mi). The front camera module analyzes light color, intensity, and movement. The AHBA system will turn OFF the high beam headlamps when approaching vehicle headlamps or preceding vehicle taillights are detected by the front camera module. AHBA can be deactivated when the headlamp dimmer switch is moved from the neutral position to the high beam or flash to pass positions. AHBA can be reactivated by operating the high beam select switch from the neutral position to the high beam position twice within 2 seconds.

AHBA System Activation

- Vehicle ON
- Headlamp switch placed in the AUTO position
- Headlamp dimmer switch must be in the neutral position
- Outside lighting conditions must be dark
- Vehicle speed greater than 25 mph (40 km/h)

AHBA System Operation

The following are conditions that the AHBA system will turn the high beam headlamps off during operation:

- The system detects approaching traffic headlamps
- The system detects preceding traffic tail lamps
- Ambient light level too high due to towns or twilight situations
- The vehicle's speed drops below 13 mph (22 km/h)
- Delay

Note: AHBA may not operate properly if any of the following conditions exist:

- Approaching and preceding vehicles lamps are undetectable due to dirt, snow, road spray, smoke, fog, or any other airborne conditions.
- The front camera module is covered with ice, dirt, snow, haze, or is obstructed.
- The vehicle is being driven on winding or hilly road conditions which would make any on coming vehicle headlamps undetectable by the AHBA.

AHBA System Deactivation

- Manually operating the headlamp dimmer switch from neutral to high beam position
- AHBA is deactivated automatically when the front or rear fog lamps are turned ON

AHBA System Indicator

The status of the AHBA system is shown by a green indicator located on the instrument panel cluster. When AHBA is active, the indicator will be illuminated continuously. If the operator deactivates the AHBA system, the indicator will turn off.

Cornering Lamps (with Z75)

The cornering lamps are activated automatically at vehicle speeds below 25 MPH (40 km/h) when the turn signal/multifunction switch is placed in either the left or right turn positions and/or when the steering angle is changed from the straight-ahead position towards the side the vehicle is turning. When the body control module (BCM) detects that one of these operations has occurred, the BCM responds to the cornering lamp request by applying voltage to cornering lamp control circuit illuminating the appropriate cornering lamp in the area that the vehicle is turning. The cornering lamps are deactivated automatically when the turn signal/multifunction switch is placed in the neutral position and/or the steering angle has returned in the straight-ahead position. The cornering lamps will not operate at vehicle speeds above 25 MPH (40 km/h).

Daytime Running Lamps

The daytime running lamps will illuminate continuously when the following conditions are met:

- The ignition is in the RUN or CRANK position
- The shift lever is out of the PARK position for vehicles equipped with automatic transmissions or the parking brake is released for vehicles with manual transmissions
- The low and high beam headlamps are OFF

Daytime Running Lamps (without T4F)

The ambient light sensor is used to monitor outside lighting conditions. The ambient light sensor provides a voltage signal that will vary between 0.2 and 4.9 V depending on outside lighting conditions. The body control module (BCM) provides a 5 V reference signal to the ambient light sensor and the HVAC control module provides a low reference ground. The BCM monitors the ambient light sensor signal circuit to determine if outside lighting conditions are correct for either daytime running lights or automatic lamp control when the headlamp switch is in the AUTO position. In daylight conditions the BCM will command the low beam headlamps ON. Any function or condition that turns on the headlamps will cancel daytime running lamps operation.

Daytime Running Lamps (X88 with TB8 or T4F) or (Z88)

The ambient light sensor is used to monitor outside lighting conditions. The ambient light sensor provides a voltage signal that will vary between 0.2 and 4.9 V depending on outside lighting conditions. The body control module (BCM) provides a 5 V reference signal to the ambient light sensor and the HVAC control module provides a low reference ground. The BCM monitors the ambient light sensor to determine if outside lighting conditions are correct for either daytime running lamps or automatic lamp control when the headlamp switch is in the AUTO position. In daylight conditions the BCM applies B+ to both daytime running lamp control circuits to the left and right multifunction light emitting diode (LED) control modules located in each headlamp assembly. The multifunction LED control modules respond the to the B+ input from the BCM by illuminating the left and right daytime running lamp LED's. When the daytime running lamps are ON and a turn signal is activated, the lower portion of the daytime running lamp halo is used for the turn signal and color changes to amber. The remaining portion of the daytime running lamp halo turns OFF for as long as the respective turn signal is active. When the turn signal is turned OFF the full daytime running lamp halo illuminates at normal color. Any function or condition that turns on the low beam headlamps will cancel daytime running lamps operation.

Daytime Running Lamps (Z75)

The ambient light sensor is used to monitor outside lighting conditions. The ambient light sensor provides a voltage signal that will vary between 0.2 and 4.9 V depending on outside lighting conditions. The body control module (BCM) provides a 5 V reference signal to the ambient light sensor and the HVAC control module provides a low reference ground. The BCM monitors the ambient light sensor to determine if outside lighting conditions are correct for either daytime running lamps or automatic lamp control when the headlamp switch is in the AUTO position. In daylight conditions the BCM applies B+ to both daytime running lamp control circuits to the left and right multifunction light emitting diode (LED) control modules located in each headlamp assembly and multifunction lamp assemblies – front fascias. The multifunction LED control modules respond the to the B+ input from the BCM by illuminating the left and right daytime running lamp LED's located in each headlamp assembly as well as each multifunction lamp assembly located in the front fascia. Any function or condition that turns on the low beam headlamps will cancel daytime running lamps operation.

Flash to Pass

When the turn signal/multifunction switch is momentarily placed in the flash to pass position, ground is applied to the turn signal/multifunction switch. The turn signal/multifunction switch applies ground to the body control module (BCM) through the flash to pass switch signal circuit. The BCM responds to the flash to pass request by applying ground to the high beam relay control circuit. This energizes the high beam relay, closing the switch side contacts of the high beam relay, applying battery voltage to the 3 pin high beam fuse. Battery voltage is applied from the high beam fuse through the high beam control circuit to the high beam headlamp assemblies. This causes the high beam headlamps to illuminate at full brightness momentarily.

Hazard Lamps

The hazard flashers may be activated in any power mode. The hazard switch signal circuit is momentarily grounded when the hazard switch is pressed. The body control module (BCM) responds to the hazard switch signal input by supplying battery voltage to all four turn signal lamps in an ON and OFF duty cycle. When the hazard switch is activated, the BCM sends a serial data message to the instrument panel cluster requesting both turn signal indicators to be cycled ON and OFF.

The instrument panel dimmer switch controls the brightness of the interior backlighting components. When the instrument panel dimmer switch is placed in a desired brightness position, the body control module (BCM) receives a signal from the instrument panel dimmer switch and responds by applying a pulse width modulated voltage to the hazard switch light emitting diode (LED) backlighting control circuit illuminating the LED to the desired level of brightness.

Park, Tail, and License Lamps

When the headlamp switch is placed in the HEAD or PARK position, ground is applied to the park lamp switch ON signal circuit to the body control module (BCM). The BCM responds by applying voltage to the park lamps, tail lamps, and license lamps control circuits illuminating the park, tail, and license lamps.

Stop Lamps

The brake pedal position sensor is used to sense the action of the driver application of the brake pedal. The brake pedal position sensor provides an analog voltage signal that will increase as the brake pedal is applied. The body control module (BCM) provides a low reference signal and a 5 V reference voltage to the brake pedal position sensor. When the variable signal reaches a voltage threshold indicating the brakes have been applied, the BCM will apply battery voltage to the left and right stop lamp control circuits as well as the center high mounted stop lamp control circuit illuminating the left and right stop lamps and the center high mounted stop lamp.

Turn Signal Lamps

Ground is applied at all times to the turn signal/multifunction switch. The turn signal lamps may only be activated with the ignition switch in the ON or START positions. When the turn signal/multifunction switch is placed in either the TURN RIGHT or TURN LEFT position, ground is applied to the body control module (BCM) through either the right turn or left turn signal switch signal circuit. The BCM responds to the turn signal switch input by applying a pulsating voltage to the front and rear turn signal lamps through there respective control circuits. When a turn signal request is received by the BCM, a serial data message is sent to the instrument cluster requesting the respective turn signal indicator be pulsed ON and OFF.

Backup Lamps

With the engine ON and the transmission in the REVERSE position, the transmission control module (TCM) sends a serial data message to the body control module (BCM). The message indicates that the gear selector is in the REVERSE position. The BCM applies battery voltage to the backup lamps control circuit illuminating the backup lamps. Once the driver moves the gear selector out of the REVERSE position, a message is sent by the TCM via serial data requesting the BCM to remove battery voltage from the backup lamps control circuit. The engine must be ON for the backup lamps to operate.

Exterior Courtesy Lamps

The body control module (BCM) supplies battery voltage to each exterior door handle LED backlighting circuit, the LED lighting located under each outside rearview mirror for approach lighting, and both running board step courtesy lamps when equipped. When the keyless entry transmitter is operated to either the lock or unlock functions the LED lighting located under each outside rearview mirror, exterior door handles, and both running board steps are commanded ON for approach lighting.

Trailer Lamps

Backup Lamps

For backup lamp operation, the backup lamp relay is supplied with battery voltage at all times. With the engine running and the transmission in the reverse position, the transmission control module (TCM) sends a serial data message to the body control module (BCM). The message indicates that the gear selector is in the reverse position. The BCM energizes the backup lamp relay by applying battery voltage to the backup lamp relay control circuit. When the backup lamp relay is energized, the relay switch contacts close and battery voltage is applied through the backup lamp fuses to the backup lamp control circuits which illuminates the backup lamps. Once the driver moves the gear selector out of the reverse position, a message is sent by the TCM via serial data requesting the BCM to remove battery voltage from the backup lamp relay control circuit.

Park Lamps

When the headlamp switch is placed in the HEAD or PARK position, ground is applied to the park lamp switch ON signal circuit to the body control module (BCM). The BCM responds by applying voltage to the park lamps, tail lamps, license lamps, and trailer park lamps control circuits illuminating the park, tail, license, and trailer park lamps.

Stop Lamps

For stop lamp operation, the left and right trailer stop/turn signal lamp relay's are supplied with battery voltage at all times. The brake pedal position sensor is used to sense the action of the driver application of the brake pedal. The brake pedal position sensor provides an analog voltage signal that will increase as the brake pedal is applied. The body control module (BCM) provides a low reference signal and a 5 V reference voltage to the brake pedal position sensor. When the variable signal reaches a voltage threshold indicating the brakes have been applied, the BCM energizes the left and right trailer stop/turn signal lamp relay's by applying voltage to the left and right stop lamp relay control circuits. With the left and right trailer stop/turn signal lamp relay's energized, the relay switch contacts close and battery voltage is applied through the left and right trailer stop/turn signal fuse's to the trailer stop lamp control circuits which illuminates the trailer stop lamps.

Turn Signal Lamps

For turn signal lamp operation, the left and right trailer stop/turn signal lamp relay's are supplied with battery voltage at all times. Ground is applied at all times to the turn signal/multifunction switch. The turn signal lamps may only be activated with the ignition switch in the ON or START positions. When the turn signal/multifunction switch is placed in either the TURN RIGHT or TURN LEFT position, ground is applied to the body control module (BCM) through either the right turn or left turn signal switch signal circuit. The BCM responds to the turn signal switch input by applying a pulsating voltage to the left and right trailer stop/turn signal lamp relay control circuits energizing the relay's in an ON and OFF cycle. With the left and right trailer stop/turn signal lamp relay's energized, the relay switch contacts cycle ON and OFF applying battery voltage through the left and right trailer stop/turn signal fuse's to the trailer turn signal lamp control circuits which illuminates the trailer turn signal lamps in an ON and OFF cycle.

Trailer Lamps (Export VQ9)

The trailer interface control module is supplied with battery voltage as well as ignition voltage from the rear body fuse block and is permanently grounded. For lighting operation, the trailer interface control module receives serial data messages from the body control module (BCM) indicating what lamps have been activated on the vehicle. The trailer interface control module responds by applying voltage to the appropriate control circuits for the requested lamps illuminating the lamps on the attached trailer.

For stop lamp operation, the trailer interface control module receives an input from the center high mount stop lamp control circuit. When the brakes are applied on the vehicle, the trailer interface control module receives the brake applied input from the center high mount stop lamp control circuit. The trailer interface control module responds by applying voltage to the trailer stop lamp control circuit illuminating the trailer stop lamps. The trailer interface control module also receives a serial data message from the BCM indicating that the vehicle brakes have been applied.

Battery Run Down Protection/ Inadvertent Power

To provide battery run down protection, the exterior lamps will be deactivated automatically under certain conditions. The BCM monitors the state of the headlamp switch. If the park or headlamp switch is ON when the ignition switch is placed in either the CRANK or RUN position and then placed in the OFF position, the BCM initiates a 10 minute timer. At the end of the 10 minutes, the BCM will turn off the control power output to the park lamp controls as well as the headlamp relay coils, deactivating the exterior lamps. This feature will be cancelled if any power mode other than OFF becomes active. The BCM will disable battery run down protection if any of the following conditions exist. The park or headlamp switch is placed in the ON to OFF position, and back to the ON position during battery run down protection. The BCM determined that the park or headlamp switch was not active when the ignition was turned OFF.

Interior Lighting Systems Description and Operation

Interior Lamps

The interior lighting system consist of two groups. This first group includes lamps that may not be dimmed.

- Dome lamps
- Instrument panel compartment lamps
- Reading lamps
- Rear compartment courtesy lamp
- Sunshade mirror lamps

Dome Lamps

The dome lamp switch has 3 positions: DOOR, OFF, and ON. The ON position provides a ground for continuous operation and the dome lamp will remain illuminated until the switch is placed in either the DOOR or OFF position. When in the DOOR position, the dome lamp operation is controlled by the body control module (BCM). When any door is opened, the door ajar switch contacts close and the BCM receives a door-open input. The BCM illuminates the dome lamp when any door is opened or a door lock/unlock request is activated with the key fob. After all doors have been closed, the dome lamp will remain illuminated approximately 3 seconds after the last door closes. When the driver places the dome lamp switch in the OFF position, the dome lamp will be disabled. In the event that the dome lamp were to remain illuminated for more than 10 minutes with the ignition switch in the OFF position, the BCM will deactivate the dome lamp control circuit to prevent total battery discharge. The dome lamps will turn OFF using the theater dimming feature when controlled by the BCM.

Center Console Compartment Lamp

The inadvertent power supply voltage circuit from the BCM provides battery voltage to the center console compartment lamp. When the center console is opened, the center console compartment lamp switch contacts close providing a path to ground and the center console compartment lamp illuminates. If the operator inadvertently leaves the center console compartment door open with the center console compartment lamp ON, the BCM will turn all interior lamps OFF after 10 minutes has passed since any switch activation has been detected by the BCM.

Instrument Panel Compartment Lamp

The inadvertent power supply voltage circuit from the BCM provides battery voltage to the instrument panel compartment (glove box) lamp. When the instrument panel compartment is opened, the instrument panel compartment lamp switch contacts close providing a path to ground and the instrument panel compartment lamp illuminates. If the operator inadvertently leaves the instrument panel compartment door open with the instrument panel compartment lamp ON, the BCM will turn all interior lamps OFF after 10 minutes has passed since any switch activation has been detected by the BCM.

Reading Lamps

The inadvertent power supply voltage circuit from the BCM provides battery positive voltage to each reading lamp. When a reading lamp switch is activated, the switch contacts close providing a path to ground and the reading lamp illuminates. If the operator inadvertently leaves a reading lamp ON, the BCM will turn all interior lamps OFF after 10 minutes has passed since any switch activation has been detected by the BCM.

Rear Compartment Courtesy Lamp

When the rear compartment is opened, the rear compartment lid latch opens providing a rear compartment open input signal to the BCM. The BCM responds by applying battery voltage to the rear compartment courtesy lamp control circuit illuminating the rear compartment courtesy lamp.

Sunshade Mirror Lamps

The inadvertent power supply voltage circuit from the BCM provides battery voltage to each set of sunshade mirror lamps. When the sunshade mirror cover is opened, a switch closes providing ground and the sunshade lamps illuminate. If the operator inadvertently leaves a sunshade mirror cover open with the lamps ON, the BCM will turn all interior lamps OFF after 10 minutes has passed since any switch activation has been detected by the BCM.

Keyless Entry Interior Illumination

When the operator uses the keyless entry transmitter in order to unlock the doors, the BCM receives a door-unlock signal. The BCM must receive inputs from various systems that indicate that the ignition switch is OFF, the courtesy lamp switch is OFF, and all doors are closed before the BCM will activate the interior lamps. After all doors have been closed, the courtesy lamps will turn OFF immediately if the ignition switch is turned to the ON position, the door locks are LOCKED, or approximately 20 seconds after the last door closes. The BCM will turn off the courtesy lamps through the theater dimming feature. The BCM keeps the courtesy lamps on for 40 seconds after an alarm event is completed.

Interior Lamps Dimming

The second group includes lamps which may be dimmed. This group may use a combination of light emitting diodes (LED), incandescent lamps, and pulse width modulation illumination.

- Dome/reading lamps – front
- Dome/reading lamps – rear
- Door lock switch – driver
- Door lock switch – passenger
- Headlamp switch
- Hazard switch
- HVAC control head assembly
- Ignition mode switch
- Multifunction switch – instrument panel
- Outside rearview mirror switch
- Park brake switch
- Radio
- Rear compartment lid unlatch switch
- Steering wheel control switch – left
- Steering wheel control switch – right
- Sun roof switch
- Sun roof tilt switch
- Window switch – passenger

With the headlamp switch in the PARK or HEAD position, the park lamp switch signal circuit provides an input to the body control module (BCM). The BCM responds by applying voltage to the park lamps as well as the backlight dimming control circuits illuminating all components with interior backlighting. All interior backlighting turns ON at the dimming level indicated by the instrument panel dimmer switch. The instrument panel instrument panel dimmer switch is a momentary type switch and utilizes a resistor ladder to increase and decrease the brightness of the interior backlighting components. The instrument panel dimmer switch provides a voltage signal to the BCM that will increase as the brightness of the lights are increased and decrease as the brightness of the lights are decreased. The BCM provides a low reference signal and a B+ circuit to the instrument panel dimmer switch. When the instrument panel dimmer switch is held in the desired position, the dimmed voltage setting is applied from the instrument panel dimmer switch through the instrument panel dimmer switch signal circuit to the BCM. The BCM interprets the signal and applies a pulse width modulated voltage through the backlighting control circuits illuminating the interior backlighting to the requested level of brightness.

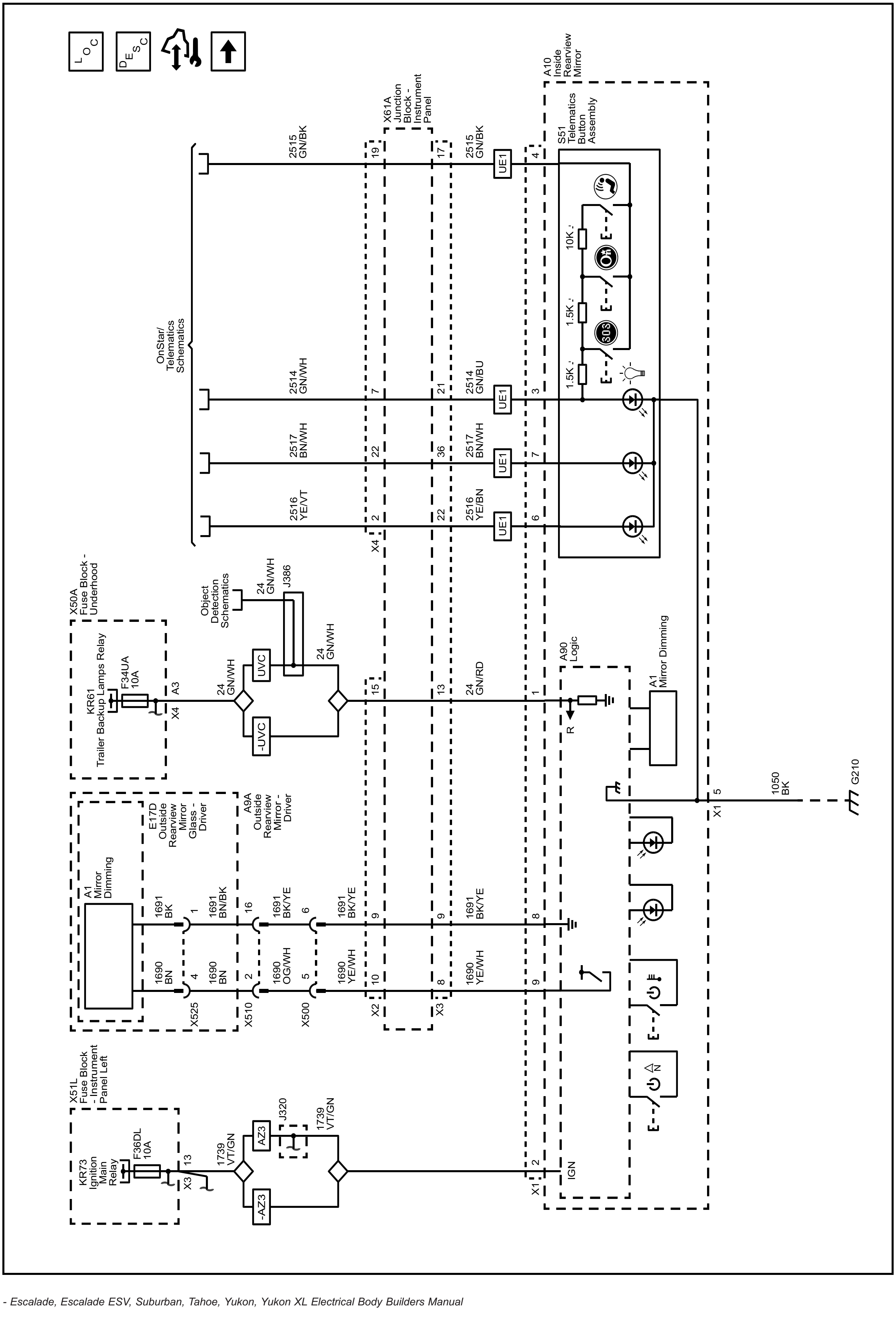
Battery Rundown Protection/ Inadvertent Power

The BCM inadvertent power supply voltage circuit provides battery voltage to all of the interior courtesy lamps. In the event that any of these lamps were to remain illuminated for a period of more than 10 minutes with the ignition switch in the OFF position, the BCM will deactivate the inadvertent power supply voltage circuit to prevent total battery discharge. If the ignition switch is turned to any position other than OFF, or if a lamp switch is activated during this 10 minute period, the timer resets for another 10 minutes.

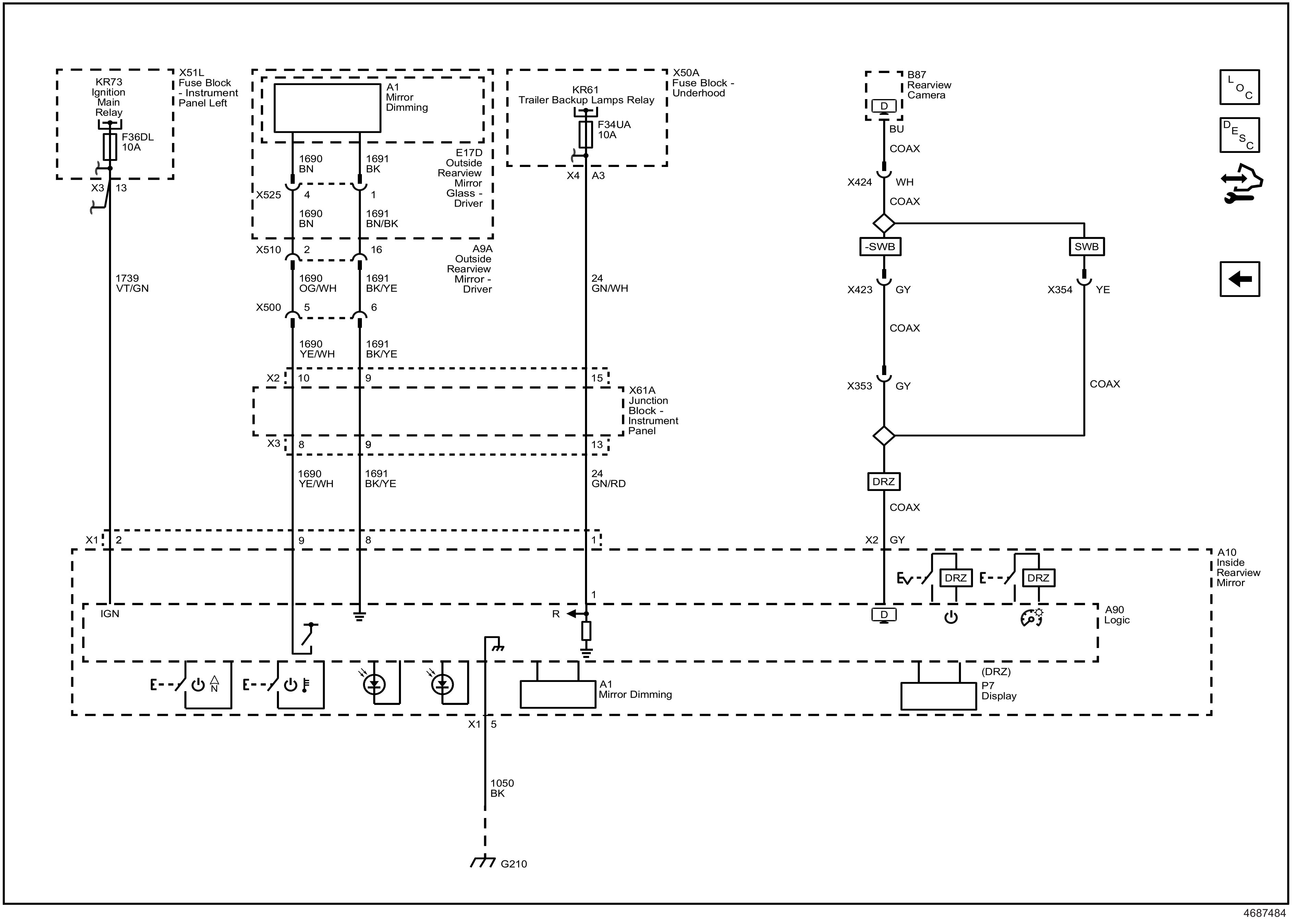
Mirrors

Schematic and Routing Diagrams

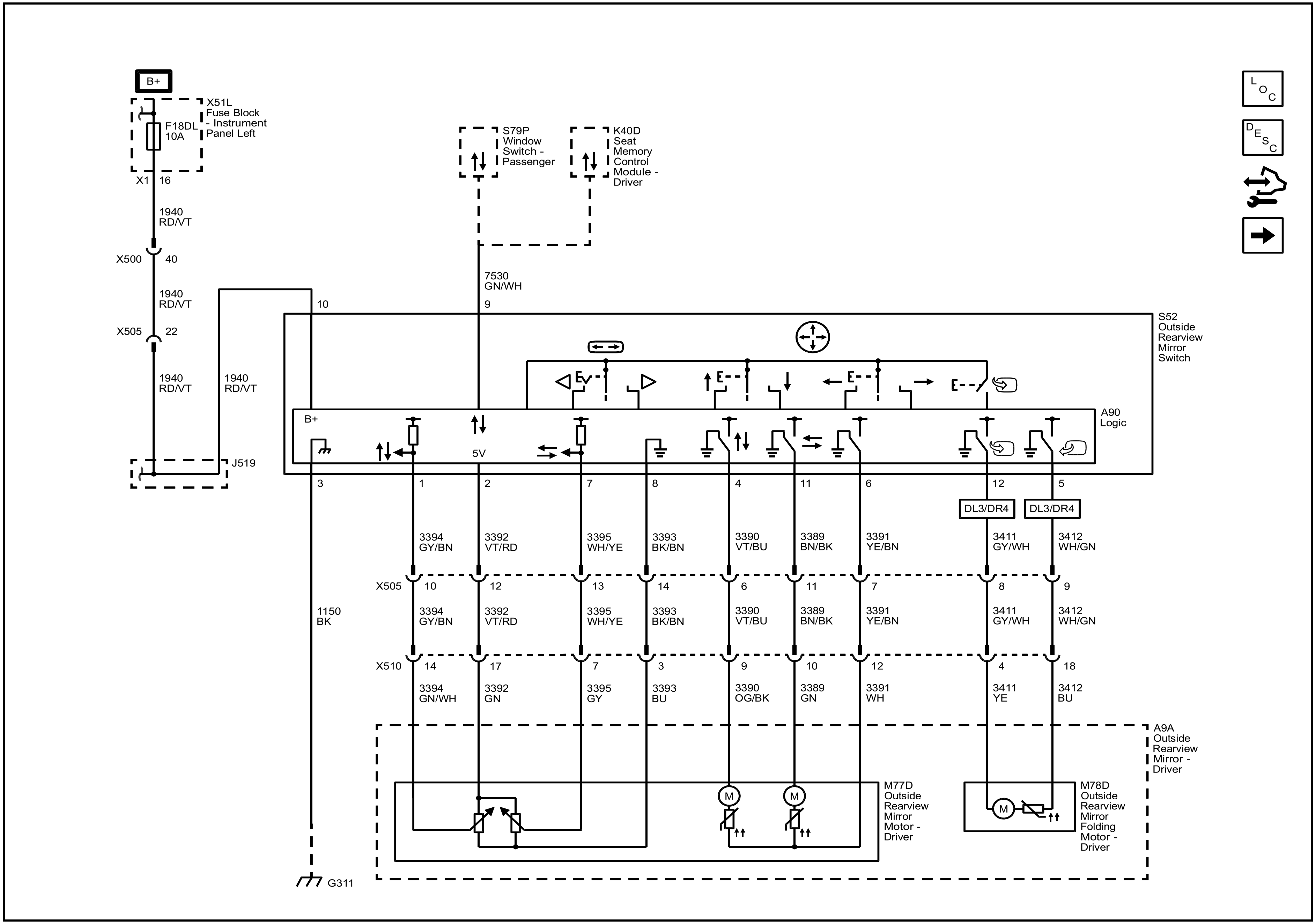
Inside Rearview Mirror Schematics (DD8 (Without DRZ))


LOC
DESC
4687106
X51L Fuse Block - Instrument Panel Left
KR73 Ignition Main Relay
F36DL 10A
X3 13
1739 VT/GN
AZ3
-AZ3
J320
1739 VT/GN
E17D Outside Rearview Mirror Glass - Driver
A1 Mirror Dimming
A9A Outside Rearview Mirror - Driver
1690 BN
1691 BK
X525 4 1
1690 BN
1691 BN/BK
X510 2 16
1690 OG/WH
1691 BK/YE
X500 5 6
1690 YE/WH
1691 BK/YE
X2 10 9
X3 8 9
1690 YE/WH
1691 BK/YE
X50A Fuse Block - Underhood
KR61 Trailer Backup Lamps Relay
F34UA 10A
X4 A3
24 GN/WH
UVC
-UVC
Object Detection Schematics
24 GN/WH
J386
24 GN/WH
15
13
24 GN/RD
OnStar/ Telematics Schematics
2515 GN/BK
2514 GN/WH
2517 BN/WH
2516 YE/VT
X4 19 7 22 2
X61A Junction Block - Instrument Panel
17 21 36 22
2515 GN/BK
2514 GN/BU
2517 BN/WH
2516 YE/BN
UE1
A10 Inside Rearview Mirror
S51 Telematics Button Assembly
4 3 7 6
1.5K
1.5K
10K
SOS
A90 Logic
A1 Mirror Dimming
R
1 8 9 2
IGN
X1
X1 5
1050 BK
G210

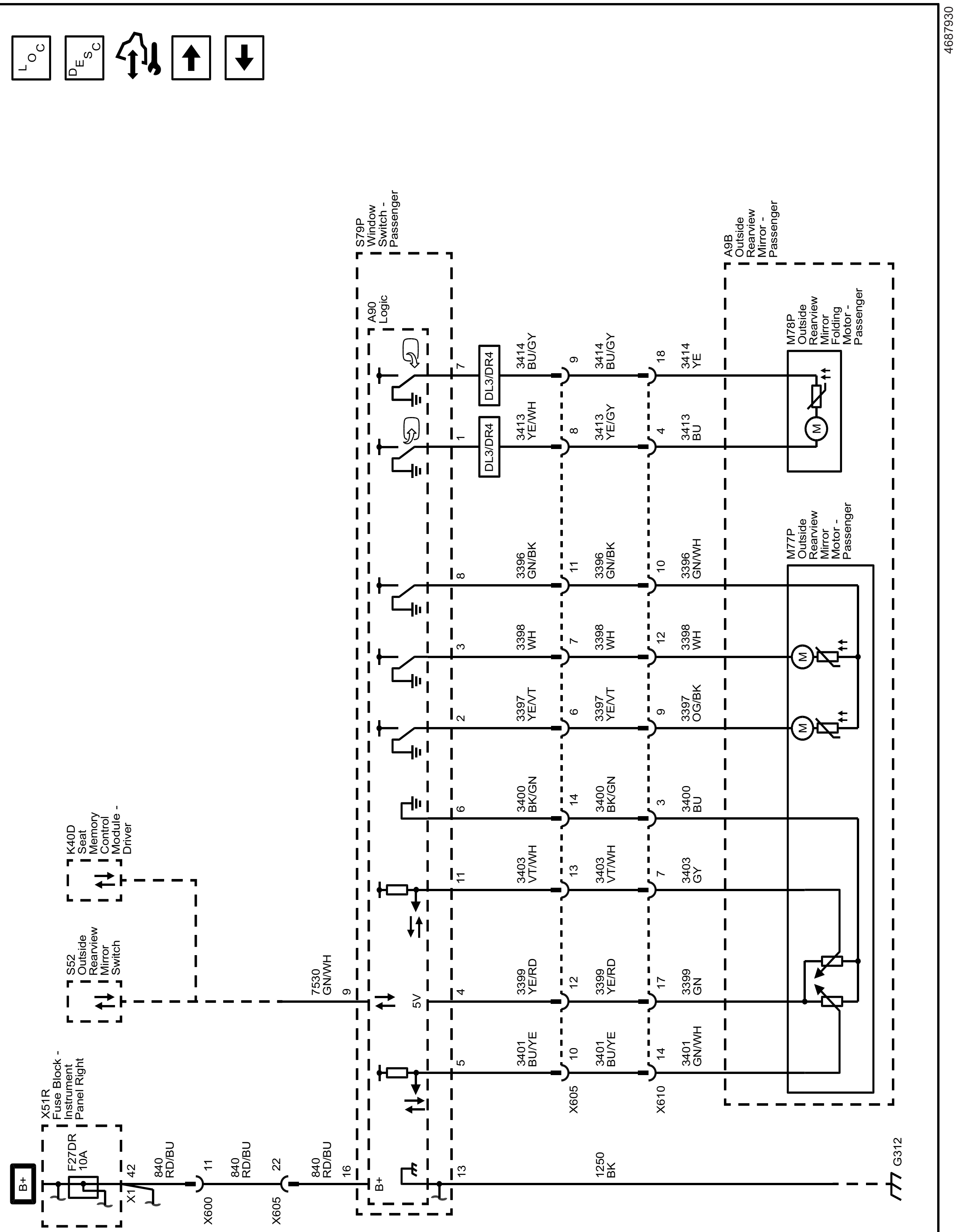
Inside Rearview Mirror Schematics (DD8 with DRZ)


KR73
Ignition
Main
Relay
F36DL
10A
X51L
Fuse Block
- Instrument
Panel Left
X3 13
1739
VT/GN
A1
Mirror
Dimming
1690
BN
1691
BK
E17D
Outside
Rearview
Mirror
Glass -
Driver
X525 4 1
1690
BN
1691
BN/BK
X510 2 16
A9A
Outside
Rearview
Mirror -
Driver
1690
OG/WH
1691
BK/YE
X500 5 6
1690
YE/WH
1691
BK/YE
X2 10 9 15
X61A
Junction
Block -
Instrument
Panel
X3 8 9 13
1690
YE/WH
1691
BK/YE
KR61
Trailer Backup Lamps Relay
F34UA
10A
X50A
Fuse Block -
Underhood
X4 A3
24
GN/WH
24
GN/RD
X1 2 9 8 1
IGN
R
1
A1
Mirror Dimming
X1 5
1050
BK
G210
B87
Rearview
Camera
D
BU
COAX
X424 WH
COAX
-SWB
SWB
X423 GY
X354 YE
COAX
X353 GY
COAX
DRZ
COAX
X2 GY
DRZ
DRZ
D
A10
Inside
Rearview
Mirror
A90
Logic
(DRZ)
P7
Display
4687484

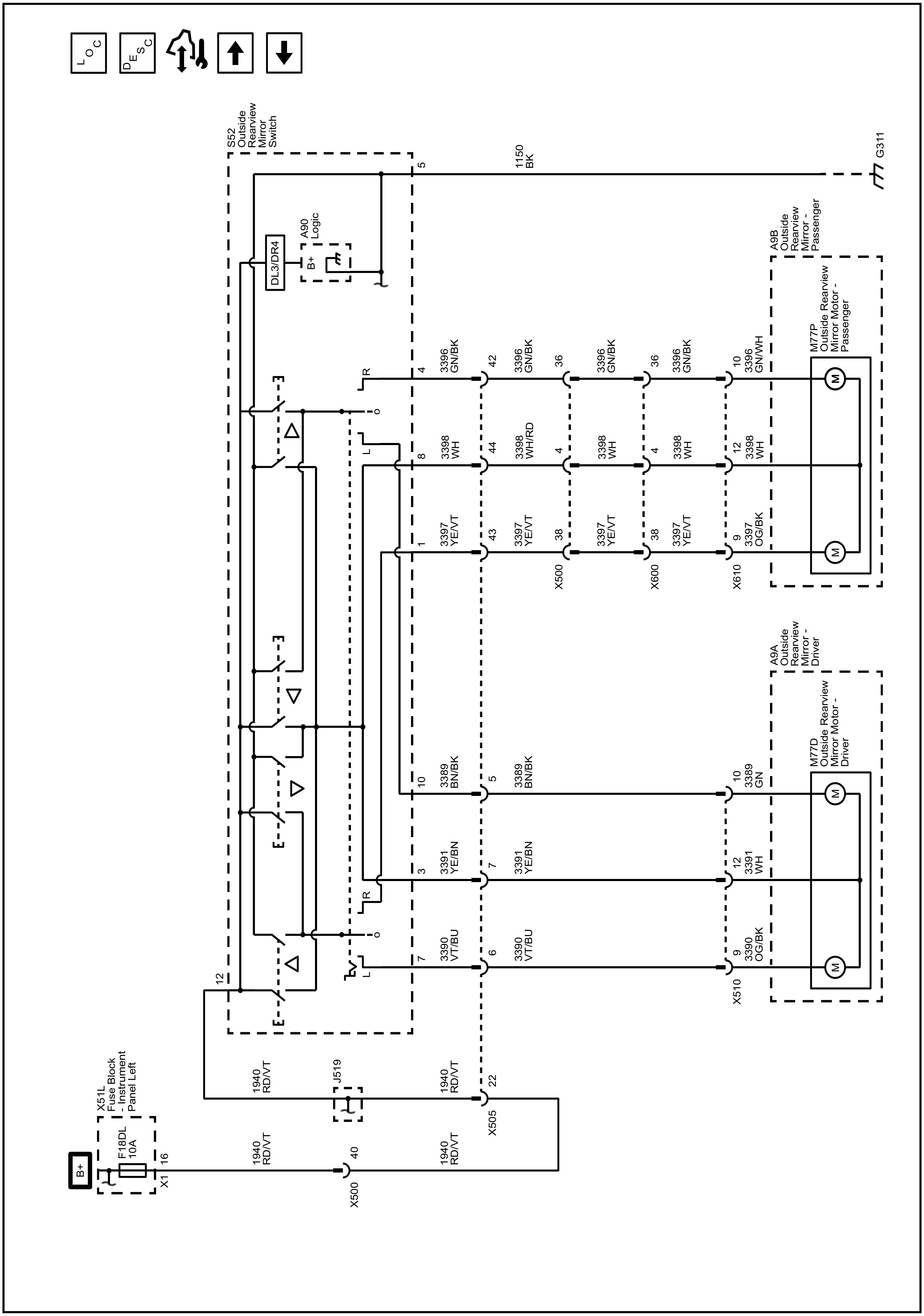
Outside Rearview Mirror Schematics (Controls, Driver Position and Folding (A45))


B+
X51L
Fuse Block
- Instrument
Panel Left
F18DL
10A
X1 16
1940
RD/VT
X500 40
1940
RD/VT
X505 22
1940
RD/VT
1940
RD/VT
J519
S79P
Window
Switch -
Passenger
K40D
Seat
Memory
Control
Module -
Driver
7530
GN/WH
10
9
S52
Outside
Rearview
Mirror
Switch
A90
Logic
B+
5V
3
1
2
7
8
4
11
6
12
5
DL3/DR4
DL3/DR4
3394
GY/BN
3392
VT/RD
3395
WH/YE
3393
BK/BN
3390
VT/BU
3389
BN/BK
3391
YE/BN
3411
GY/WH
3412
WH/GN
X505
10
12
13
14
6
11
7
8
9
1150
BK
3394
GY/BN
3392
VT/RD
3395
WH/YE
3393
BK/BN
3390
VT/BU
3389
BN/BK
3391
YE/BN
3411
GY/WH
3412
WH/GN
X510
14
17
7
3
9
10
12
4
18
3394
GN/WH
3392
GN
3395
GY
3393
BU
3390
OG/BK
3389
GN
3391
WH
3411
YE
3412
BU
A9A
Outside
Rearview
Mirror -
Driver
M77D
Outside
Rearview
Mirror
Motor -
Driver
M78D
Outside
Rearview
Mirror
Folding
Motor -
Driver
M
M
M
G311
L O C
D E S C
4687722

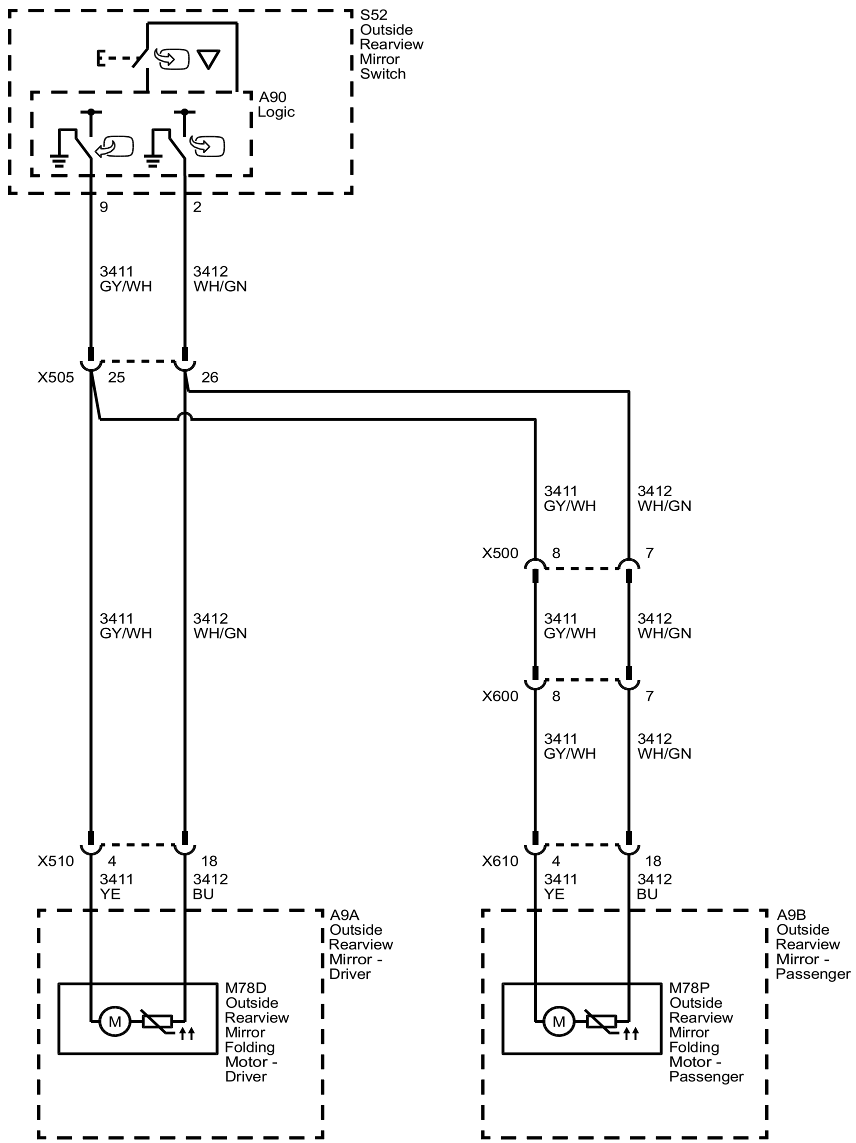
Outside Rearview Mirror Schematics (Passenger Position and Folding (A45))


4687930
B+
X51R Fuse Block - Instrument Panel Right
F27DR 10A
X1 42
840 RD/BU
X600 11
840 RD/BU
X605 22
840 RD/BU
16
S52 Outside Rearview Mirror Switch
K40D Seat Memory Control Module - Driver
7530 GN/WH
9
S79P Window Switch - Passenger
A90 Logic
B+
5V
13
1250 BK
G312
5
3401 BU/YE
X605 10
3401 BU/YE
X610 14
3401 GN/WH
4
3399 YE/RD
12
3399 YE/RD
17
3399 GN
11
3403 VT/WH
13
3403 VT/WH
7
3403 GY
6
3400 BK/GN
14
3400 BK/GN
3
3400 BU
2
3397 YE/VT
6
3397 YE/VT
9
3397 OG/BK
3
3398 WH
7
3398 WH
12
3398 WH
8
3396 GN/BK
11
3396 GN/BK
10
3396 GN/WH
1
DL3/DR4
3413 YE/WH
8
3413 YE/GY
4
3413 BU
7
DL3/DR4
3414 BU/GY
9
3414 BU/GY
18
3414 YE
A9B Outside Rearview Mirror - Passenger
M77P Outside Rearview Mirror Motor - Passenger
M78P Outside Rearview Mirror Folding Motor - Passenger
M
M
M

Outside Rearview Mirror Schematics (Position (without A45))

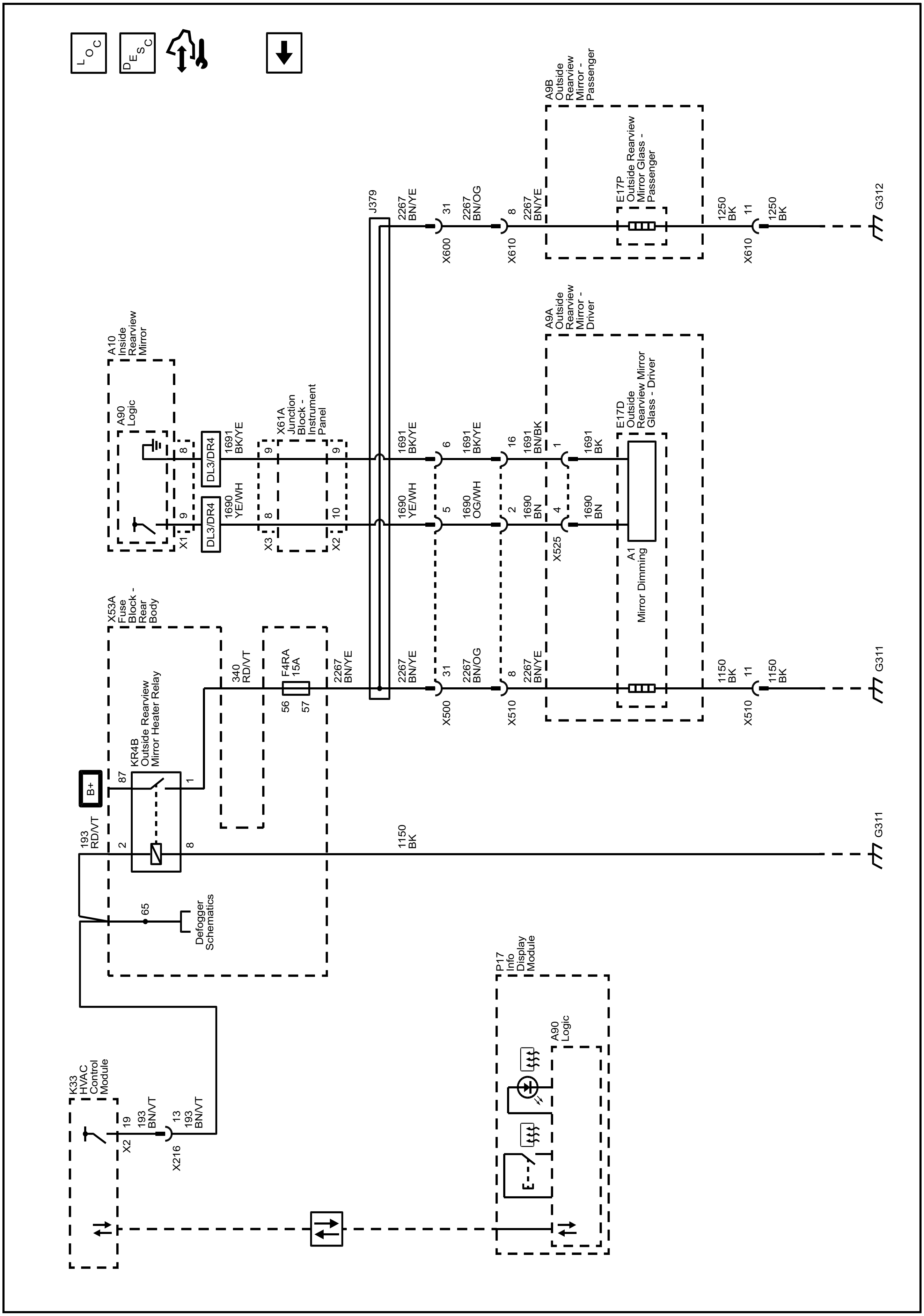

4688067
LOC
DESC
S52
Outside
Rearview
Mirror
Switch
A90
Logic
DL3/DR4
B+
5
1150
BK
G311
A9B
Outside
Rearview
Mirror -
Passenger
M77P
Outside Rearview
Mirror Motor -
Passenger
A9A
Outside
Rearview
Mirror -
Driver
M77D
Outside Rearview
Mirror Motor -
Driver
R
L
R
L
4
3396
GN/BK
42
3396
GN/BK
36
3396
GN/BK
36
3396
GN/BK
10
3396
GN/WH
8
3398
WH
44
3398
WH/RD
4
3398
WH
4
3398
WH
12
3398
WH
1
3397
YE/VT
43
3397
YE/VT
38
3397
YE/VT
38
3397
YE/VT
9
3397
OG/BK
X500
X600
X610
10
3389
BN/BK
5
3389
BN/BK
10
3389
GN
3
3391
YE/BN
7
3391
YE/BN
12
3391
WH
7
3390
VT/BU
6
3390
VT/BU
9
3390
OG/BK
X510
M
M
M
M
12
X51L
Fuse Block
- Instrument
Panel Left
F18DL
10A
B+
X1
16
1940
RD/VT
J519
1940
RD/VT
22
X505
1940
RD/VT
40
X500
1940
RD/VT

Outside Rearview Mirror Schematics (Folding (DL3 or DR4 without A45))


S52
Outside
Rearview
Mirror
Switch
A90
Logic
9
2
3411
GY/WH
3412
WH/GN
X505
25
26
3411
GY/WH
3412
WH/GN
X500
8
7
3411
GY/WH
3412
WH/GN
X600
8
7
3411
GY/WH
3412
WH/GN
X510
4
18
3411
YE
3412
BU
X610
4
18
3411
YE
3412
BU
A9A
Outside
Rearview
Mirror -
Driver
M
M78D
Outside
Rearview
Mirror
Folding
Motor -
Driver
A9B
Outside
Rearview
Mirror -
Passenger
M
M78P
Outside
Rearview
Mirror
Folding
Motor -
Passenger

4688070

Outside Rearview Mirror Schematics (Dimming (DL3 or DR4) and Heating)


4688073
LOC
DESC
K33 HVAC Control Module
X2
19
193 BN/VT
X216
13
193 BN/VT
193 RD/VT
B+
87
2
8
1
KR4B Outside Rearview Mirror Heater Relay
65
Defogger Schematics
X53A Fuse Block - Rear Body
340 RD/VT
F4RA 15A
56
57
2267 BN/YE
1150 BK
G311
P17 Info Display Module
A90 Logic
A10 Inside Rearview Mirror
A90 Logic
X1
9
8
DL3/DR4
DL3/DR4
1690 YE/WH
1691 BK/YE
X61A Junction Block - Instrument Panel
X3
8
9
X2
10
9
J379
1690 YE/WH
1691 BK/YE
2267 BN/YE
X500
31
5
6
2267 BN/OG
1690 OG/WH
1691 BK/YE
X510
8
2
16
2267 BN/YE
1690 BN
1691 BN/BK
X525
4
1
1690 BN
1691 BK
A9A Outside Rearview Mirror - Driver
E17D Outside Rearview Mirror Glass - Driver
A1 Mirror Dimming
1150 BK
X510
11
1150 BK
G311
2267 BN/YE
X600
31
2267 BN/OG
X610
8
2267 BN/YE
A9B Outside Rearview Mirror - Passenger
E17P Outside Rearview Mirror Glass - Passenger
1250 BK
X610
11
1250 BK
G312

Description and Operation

Automatic Day-Night Mirror Description and Operation

Inside Rearview Mirror with the Automatic Day-Night Feature System Operation

The inside rearview mirror uses 2 photocell sensors. One sensor is the headlight sensor, located on the face side of the mirror. The headlight sensor is used to determine light conditions present at the mirror face. The other sensor is the ambient light sensor, located on the rear of the mirror or windshield side. The ambient light sensor is used to determine the exterior light conditions. With a low exterior light condition detected, and a high light condition from behind the car, at the headlight sensor, the inside rearview mirror will automatically darken the face of the mirror.

In the daytime, the mirror is in a normal state because of the high exterior light condition that is indicated by the ambient light sensor. With the gear selector lever in the REVERSE position and the engine running, backup lamp supply voltage is supplied as an input to the inside rearview mirror. The mirror monitors this input to disable the automatic day-night feature. This allows the driver to see objects in the mirror clearly when backing up, even during the night.

Driver Outside Rearview Mirror with Automatic Day-Night System Operation (If Equipped)

The automatic day-night feature of the driver outside rearview mirror is controlled by the inside rearview mirror. The inside rearview mirror supplies control and low reference to the driver outside rearview mirror. At night, with the automatic day-night feature enabled, the driver outside rearview mirror will automatically darken with the inside rearview mirror to reduce glare from headlamps behind the vehicle.

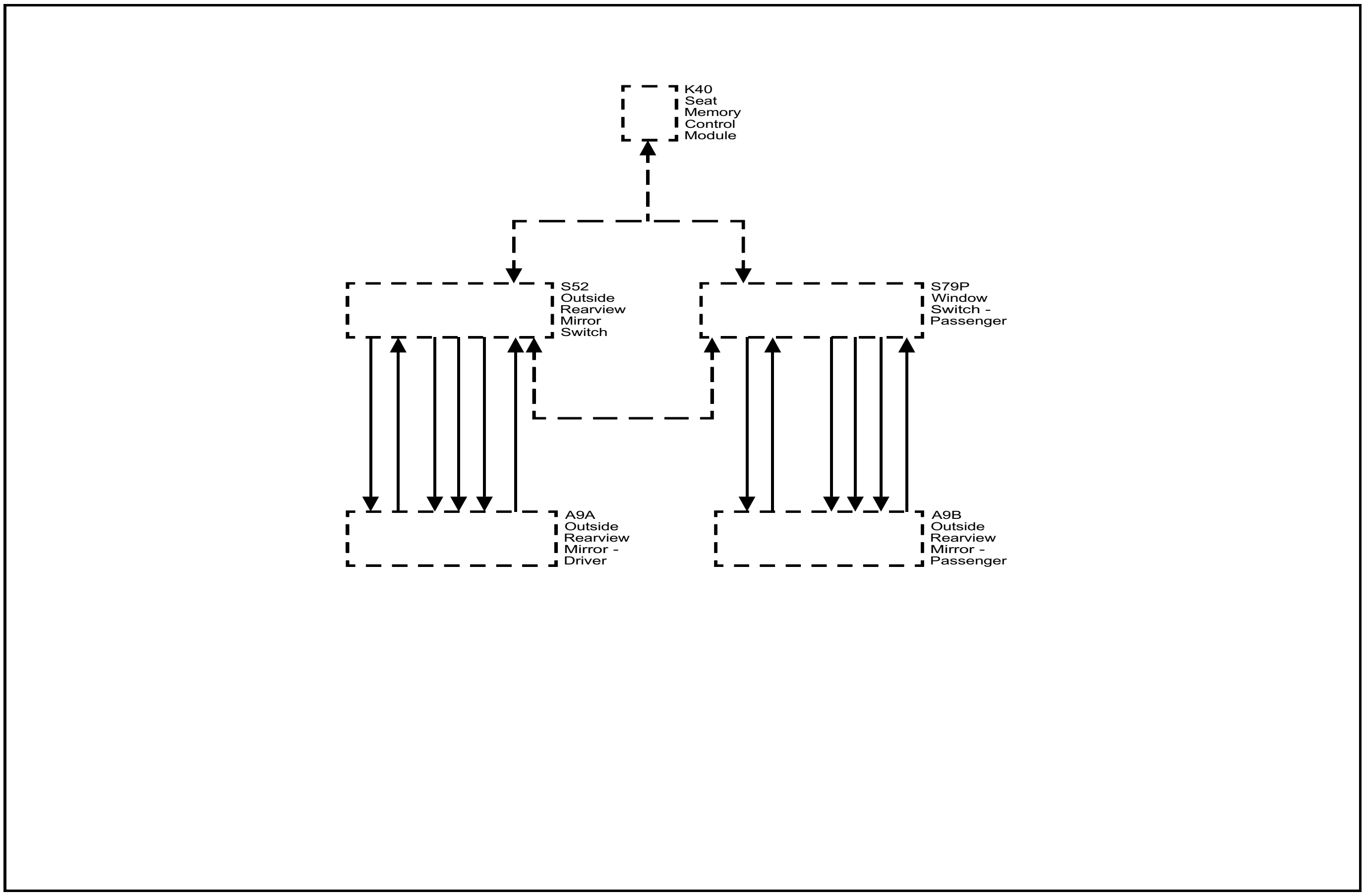
Outside Mirror Description and Operation (With A45)

Power Mirror System Components

The power mirror system consists of the following components:

- Memory Seat Control Module
- Outside Rearview Mirror Switch
- Passenger Window Switch
- Driver Outside Rearview Mirror
- Passenger Outside Rearview Mirror

Power Mirrors with A45 Block Diagram



3520568

Power Mirror System Controls

The outside mirror switch and passenger window switch are on a serial data circuit with the memory seat control module as the master. The mirror select and directional control switches are inputs to the memory seat module through the serial data circuit. When the memory seat module receives switch inputs from the outside mirror switch, mirror output commands are sent to the appropriate switch through the serial data circuit. The outside mirror switch and passenger window switch control the left and right outside rear view mirrors through bi-directional motor control circuits. The motor control circuits are floating while in an inactive state and the switches will apply power and ground to the control circuits as necessary to move the mirror in the commanded direction.

Mirror position is determined by both horizontal and vertical position sensors in each of the power mirrors. The outside mirror switch and passenger window switch supply a 5 V reference, low reference, and horizontal and vertical position signal circuits to these sensors. The signal circuits are referenced from 5 V by the switches and the signal circuit voltage levels represent the mirror positions. The mirror positions are sent to the memory seat module through the serial data circuit where they are stored for memory mirror operation. When the memory seat module receives a memory recall command, the memory seat module will send the go to position commands to the outside mirror switch and passenger window switch. The switches will then drive the appropriate mirror motors to the commanded position sensor settings.

Heated Mirrors

The heated mirrors are controlled through the rear defog relay. Whenever the rear window defogger is turned on battery voltage is supplied to the mirror heater elements through the left and right mirror heater element control circuits.

Outside Mirror Description and Operation (Without A45)

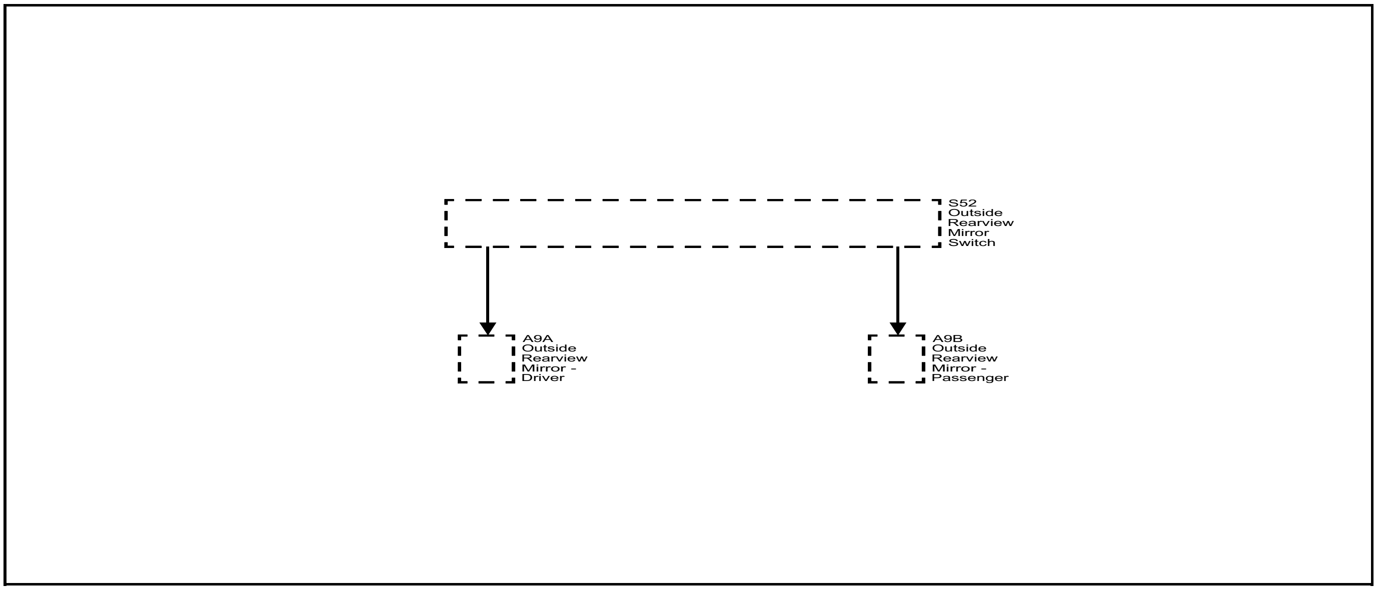
Power Mirror System Components

The power mirror system consists of the following components:

- Mirror direction switch — Controls the left, right, up and down movements of the mirrors
- Mirror select switch — Allows the operator to select the mirror to be moved
- Left outside mirror — Contains both the horizontal and vertical mirror motors
- Right outside mirror — Contains both the horizontal and vertical mirror motors

Each of the outside power mirrors contains 2 motors. The up-down motor operates the vertical directions and the left-right motor operates the horizontal directions. Each of the power mirror motors are internally circuit breaker protected.

Power Mirrors Without A45 Block Diagram


S52 Outside Rearview Mirror Switch
A9A Outside Rearview Mirror - Driver
A9B Outside Rearview Mirror - Passenger

3270441

Power Mirror System Controls

The outside mirror switch incorporates a mirror select switch and a 4 position mirror direction switch.

The mirror select switch allows the driver to select the mirror to be moved by turning the switch to L position enabling the left outside mirror or turning the switch to R position enabling the right outside mirror.

The mirror direction switch is a 4 position switch that allows the operator to move the selected mirror up, down, left or right.

Power Mirror System Operation

The outside mirror switch receives power through the battery positive voltage circuit from the underhood fuse block. The outside mirror switch also receives a constant ground.

The 4 positions of the direction switch have multiple switch contacts. When not in use, the directional contacts are isolated from any circuit. Each of the contacts are connected to opposing sides of the appropriate mirror motors through the selector switch. The selector switch interrupts or completes these circuits depending on the position of the selector switch, L or R.

If the mirror select switch is placed in the L position and the up switch is pressed, battery voltage will be supplied to the driver outside mirror vertical motor through the driver mirror motor up control circuit and return to the mirror switch through the driver mirror motor left/down control circuit, then to ground and the mirror will move up. If the down switch is pressed, the driver mirror motor left/down control circuit supplies battery voltage and the driver mirror motor up control circuit completes the path to the mirror switch, then to ground and the mirror will move down.

The remainder of the mirror functions operate in the same manner as described above. Placing the mirror control switch in opposing positions, left/right or up/down, will reverse the voltage polarity to the mirror motor, utilizing the same circuits and the mirror will move accordingly.

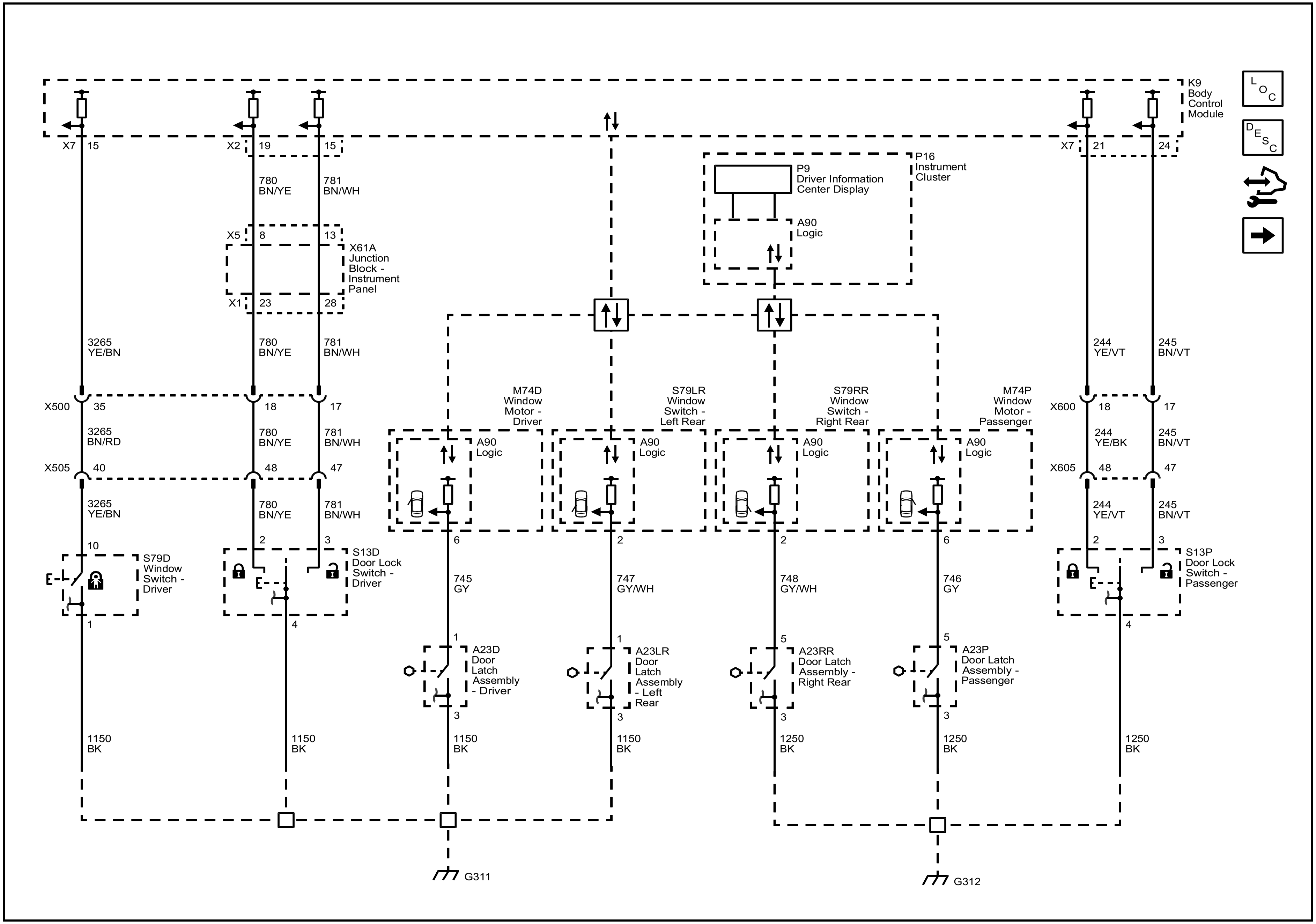
Heated Mirrors

The heated mirrors are controlled through the rear defog relay. Whenever the rear window defogger is turned ON, battery voltage is supplied to the mirror heater elements through the left and right mirror heater element control circuits.

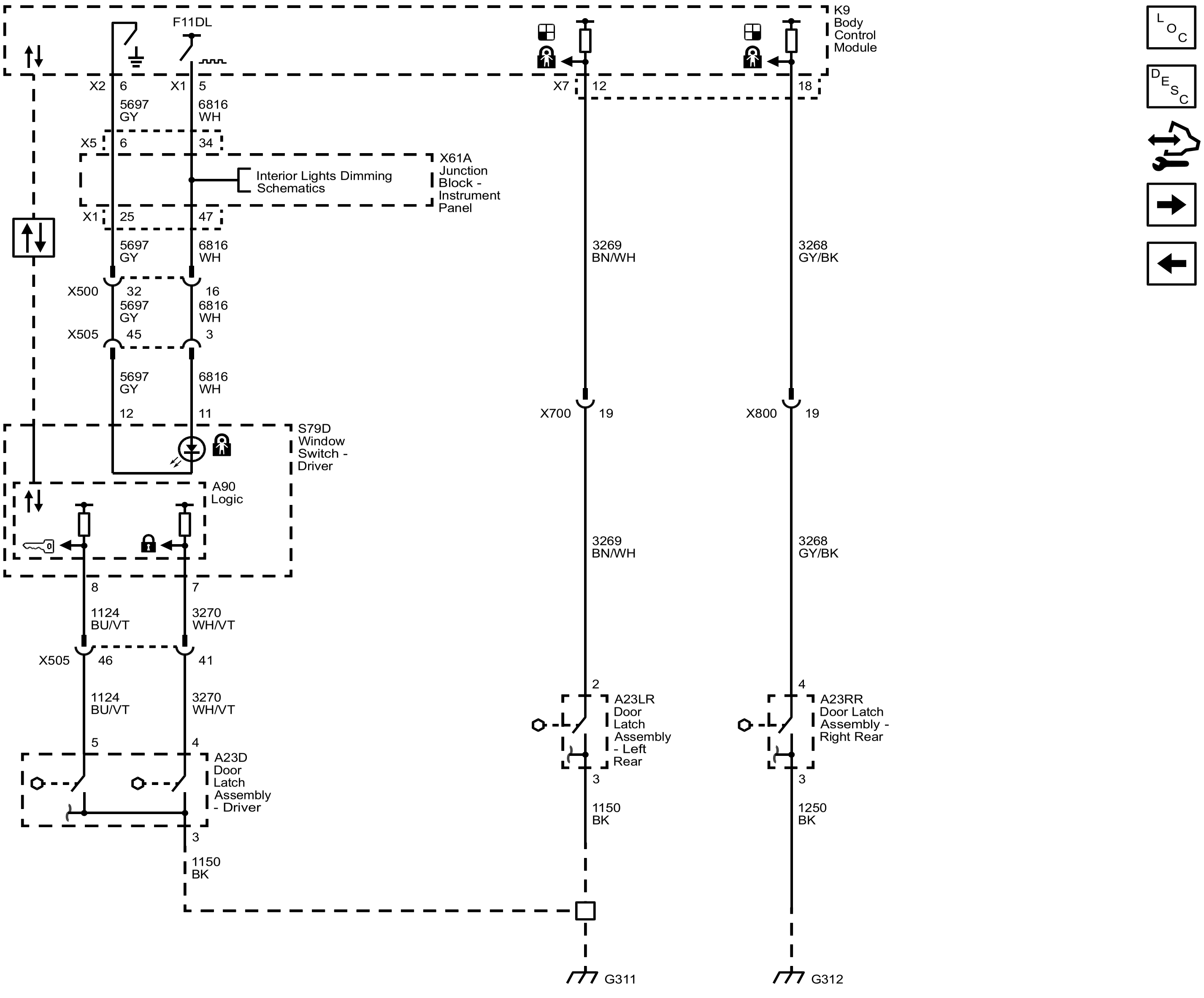
Vehicle Access

Schematic and Routing Diagrams

Door Lock/Indicator Schematics (Door Lock and Ajar Switches)

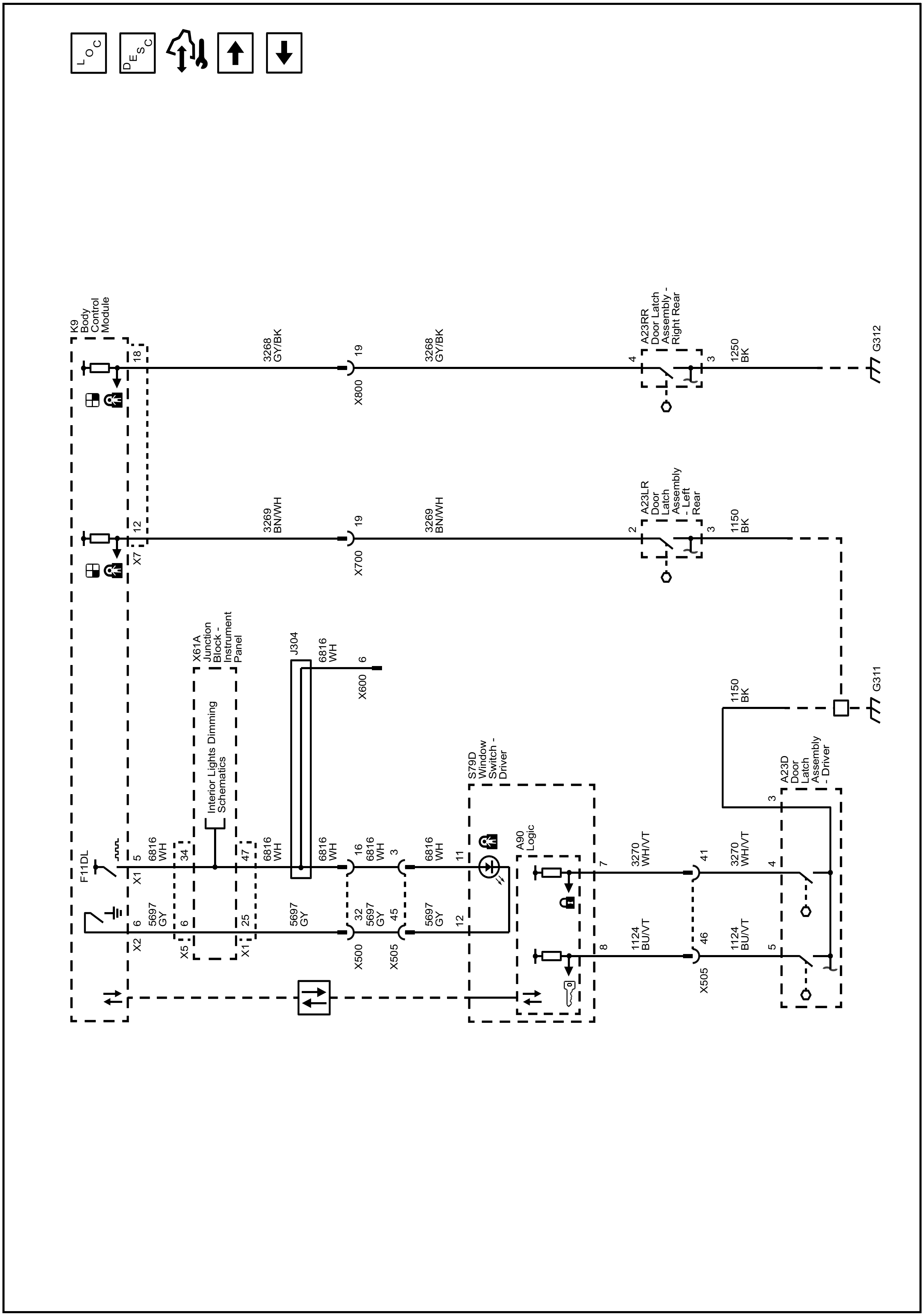

K9
Body
Control
Module
X7 15
X2 19
15
X7 21
24
3265
YE/BN
780
BN/YE
781
BN/WH
X5 8
13
X61A
Junction
Block -
Instrument
Panel
X1 23
28
244
YE/VT
245
BN/VT
P16
Instrument
Cluster
P9
Driver Information
Center Display
A90
Logic
X500 35
18
17
3265
BN/RD
X505 40
48
47
M74D
Window
Motor -
Driver
S79LR
Window
Switch -
Left Rear
S79RR
Window
Switch -
Right Rear
M74P
Window
Motor -
Passenger
X600 18
17
244
YE/BK
X605 48
47
10
S79D
Window
Switch -
Driver
1
2
3
S13D
Door Lock
Switch -
Driver
4
6
745
GY
747
GY/WH
748
GY/WH
746
GY
S13P
Door Lock
Switch -
Passenger
A23D
Door
Latch
Assembly
- Driver
A23LR
Door
Latch
Assembly
- Left
Rear
A23RR
Door Latch
Assembly -
Right Rear
A23P
Door Latch
Assembly -
Passenger
5
1150
BK
1250
BK
G311
G312
4688074

Door Lock/Indicator Schematics (Lock and Child Lock Status (X88 Chevrolet or Z88 GMC))

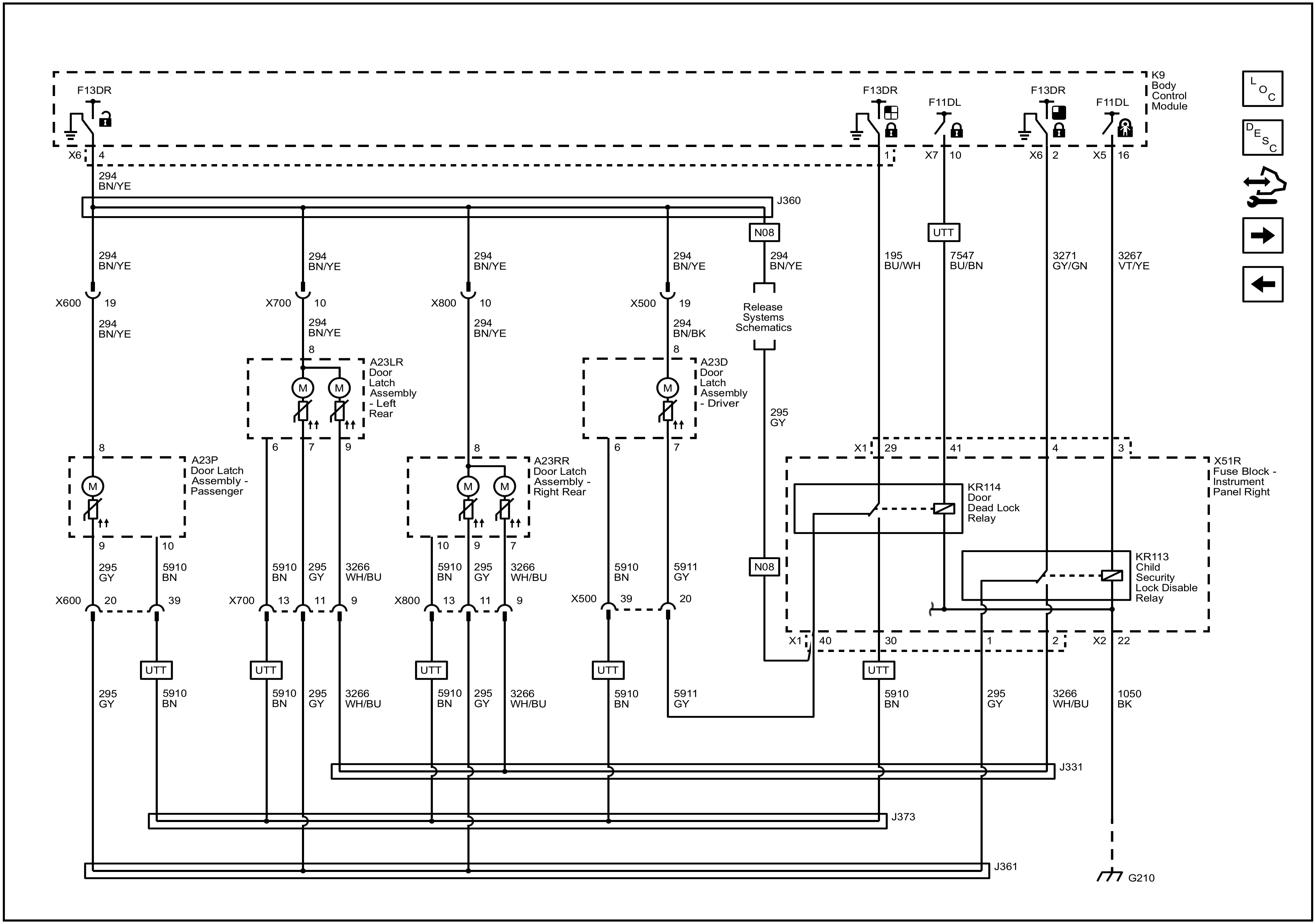

K9
Body
Control
Module
F11DL
X2
6
X1
5
X7
12
18
5697
GY
6816
WH
X5
6
34
Interior Lights Dimming
Schematics
X61A
Junction
Block -
Instrument
Panel
X1
25
47
3269
BN/WH
3268
GY/BK
X500
32
16
X505
45
3
12
11
X700
19
X800
19
S79D
Window
Switch -
Driver
A90
Logic
8
7
1124
BU/VT
3270
WH/VT
X505
46
41
2
4
A23LR
Door
Latch
Assembly
- Left
Rear
A23RR
Door Latch
Assembly -
Right Rear
5
A23D
Door
Latch
Assembly
- Driver
3
1150
BK
1250
BK
G311
G312
L O C
D E S C

4688078

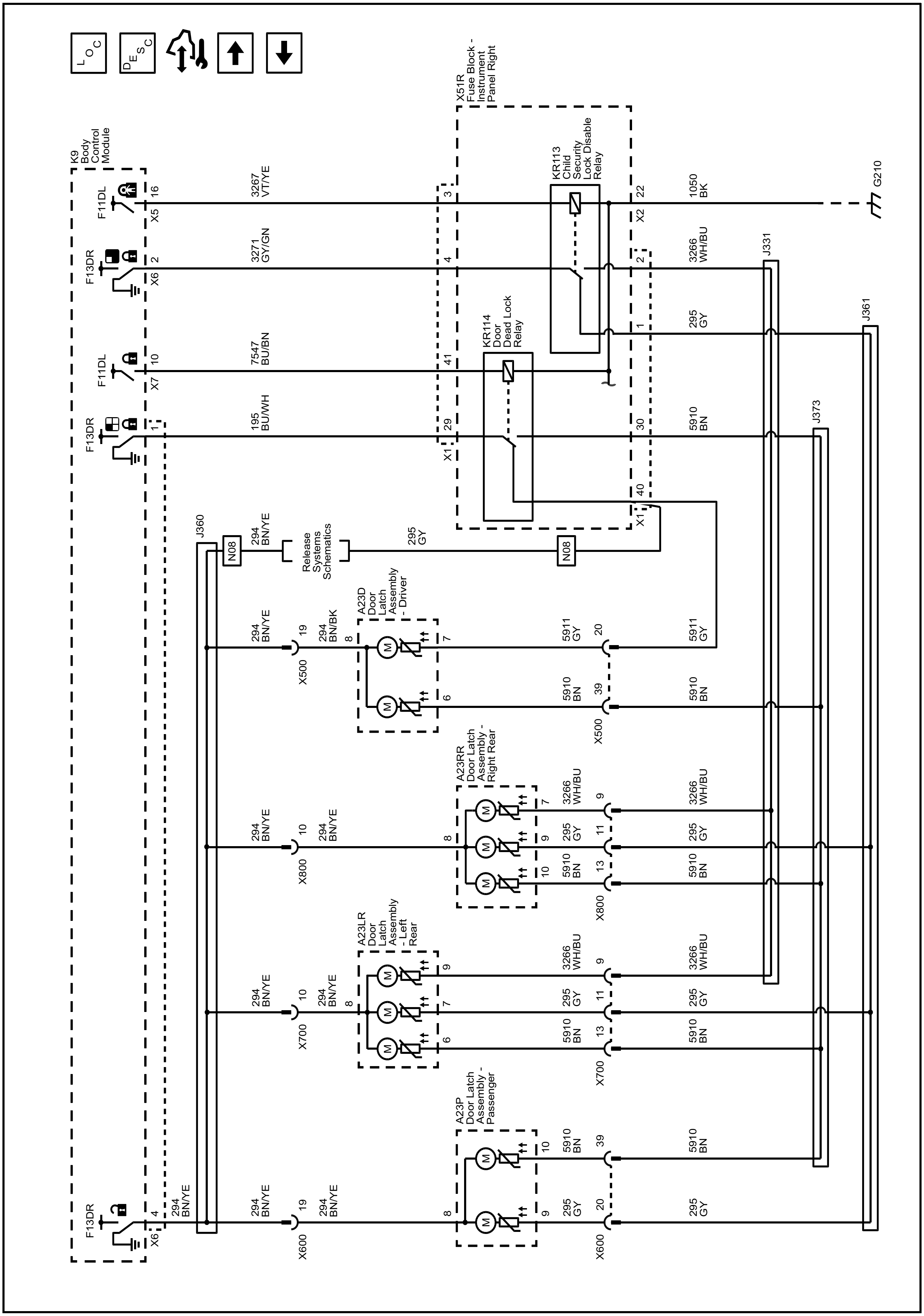
Door Lock/Indicator Schematics (Lock and Child Lock Status (Z75 Cadillac))


4688080
K9 Body Control Module
X7
18
12
3268 GY/BK
19
X800
3268 GY/BK
3269 BN/WH
19
X700
3269 BN/WH
A23RR Door Latch Assembly - Right Rear
4
3
1250 BK
G312
A23LR Door Latch Assembly - Left Rear
2
3
1150 BK
G311
1150 BK
X61A Junction Block - Instrument Panel
Interior Lights Dimming Schematics
J304
6816 WH
6
X600
F11DL
X1
5
6816 WH
X2
6
5697 GY
X5
6
34
47
X1
25
6816 WH
5697 GY
X500
16
6816 WH
32
5697 GY
X505
3
45
6816 WH
5697 GY
11
12
S79D Window Switch - Driver
A90 Logic
7
3270 WH/VT
8
1124 BU/VT
X505
41
46
3270 WH/VT
1124 BU/VT
A23D Door Latch Assembly - Driver
3
4
5

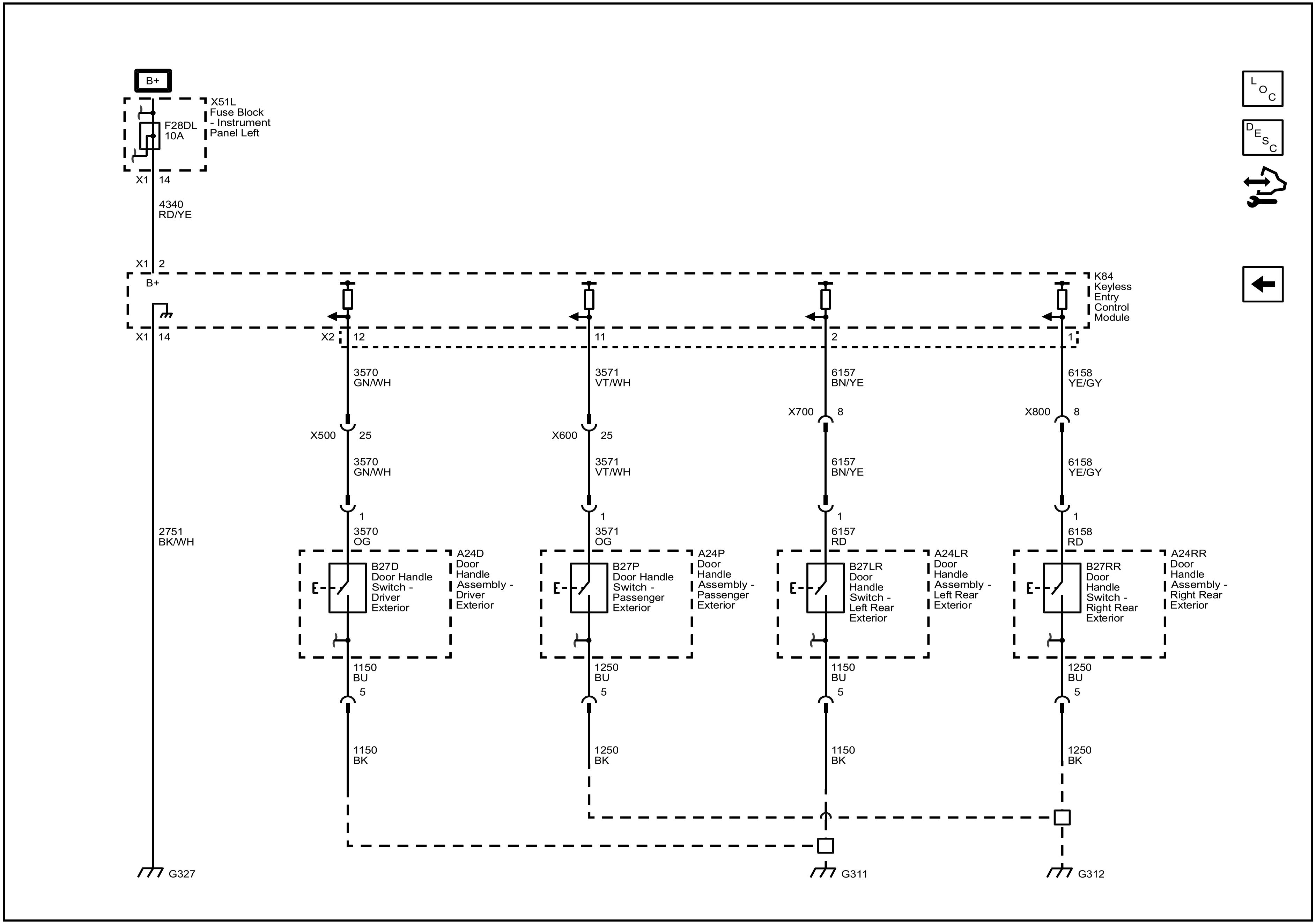
Door Lock/Indicator Schematics (Actuators (without MBM or MBR))


K9
Body
Control
Module
F13DR
X6 4
F13DR
1
F11DL
X7 10
F13DR
X6 2
F11DL
X5 16
294
BN/YE
J360
N08
UTT
294
BN/YE
195
BU/WH
7547
BU/BN
3271
GY/GN
3267
VT/YE
X600 19
X700 10
X800 10
X500 19
Release
Systems
Schematics
294
BN/BK
A23LR
Door
Latch
Assembly
- Left
Rear
A23D
Door
Latch
Assembly
- Driver
295
GY
A23P
Door Latch
Assembly -
Passenger
A23RR
Door Latch
Assembly -
Right Rear
M
X1 29 41 4 3
X51R
Fuse Block -
Instrument
Panel Right
KR114
Door
Dead Lock
Relay
KR113
Child
Security
Lock Disable
Relay
5910
BN
5911
GY
3266
WH/BU
X600 20 39
X700 13 11 9
X800 13 11 9
X500 39 20
X1 40 30 1 2
X2 22
1050
BK
J331
J373
J361
G210
4688081

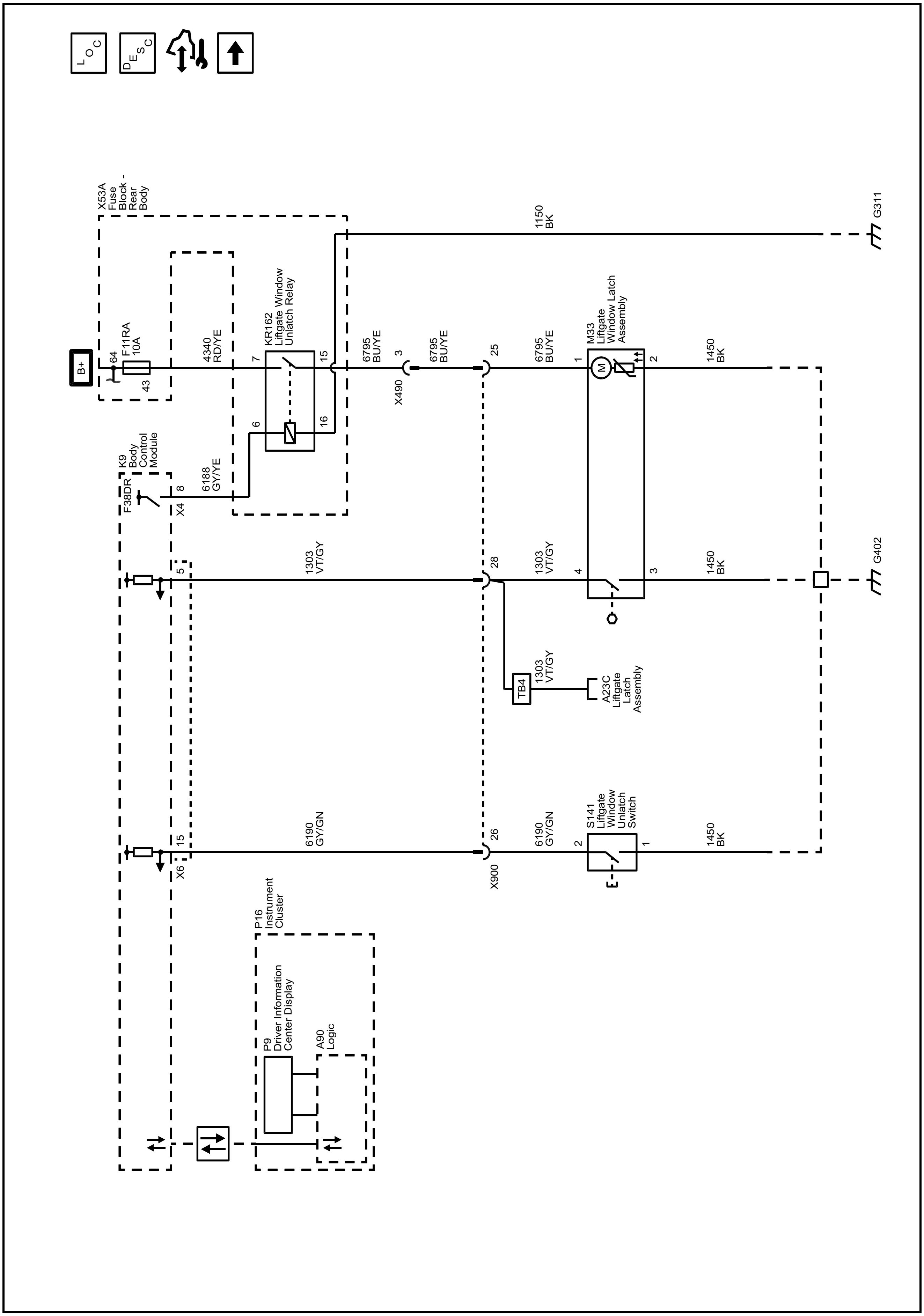
Door Lock/Indicator Schematics (Actuators (MBM or MBR))


4688082
LOC
DESC
K9
Body
Control
Module
X51R
Fuse Block -
Instrument
Panel Right
F11DL
F13DR
F11DL
F13DR
F13DR
X5 16
X6 2
X7 10
1
X6 4
3267
VT/YE
3271
GY/GN
7547
BU/BN
195
BU/WH
294
BN/YE
3
4
41
X1 29
KR113
Child
Security
Lock Disable
Relay
KR114
Door
Dead Lock
Relay
X2 22
2
1
30
40
X1
1050
BK
G210
3266
WH/BU
295
GY
5910
BN
J331
J361
J373
J360
N08
294
BN/YE
Release
Systems
Schematics
295
GY
N08
A23D
Door
Latch
Assembly
- Driver
X500
19
294
BN/BK
8
7
6
5911
GY
20
5910
BN
39
X500
5911
GY
5910
BN
A23RR
Door Latch
Assembly -
Right Rear
X800
10
294
BN/YE
8
7
9
10
3266
WH/BU
295
GY
5910
BN
9
11
13
X800
A23LR
Door
Latch
Assembly
- Left
Rear
X700
10
294
BN/YE
8
9
7
6
3266
WH/BU
295
GY
5910
BN
9
11
13
X700
A23P
Door Latch
Assembly -
Passenger
X600
19
294
BN/YE
8
10
9
5910
BN
39
295
GY
20
X600
M

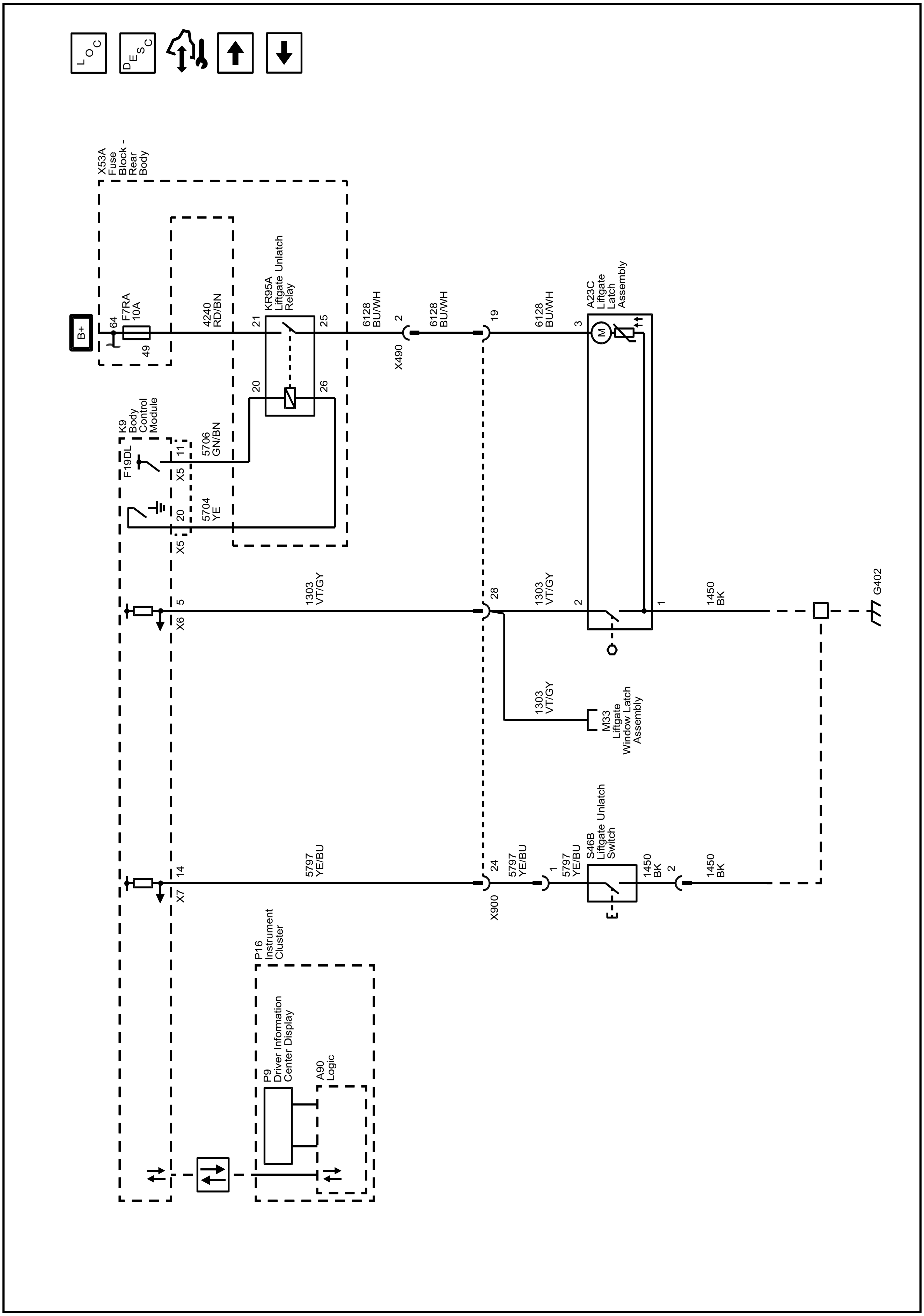
Door Lock/Indicator Schematics (Door Handle Switches (ATH))


B+
X51L
Fuse Block
- Instrument
Panel Left
F28DL
10A
X1 14
4340
RD/YE
X1 2
B+
X1 14
2751
BK/WH
G327
K84
Keyless
Entry
Control
Module
X2 12
11
2
1
3570
GN/WH
X500 25
3570
GN/WH
1
3570
OG
B27D
Door Handle
Switch -
Driver
Exterior
A24D
Door
Handle
Assembly -
Driver
Exterior
1150
BU
5
1150
BK
3571
VT/WH
X600 25
3571
VT/WH
1
3571
OG
B27P
Door Handle
Switch -
Passenger
Exterior
A24P
Door
Handle
Assembly -
Passenger
Exterior
1250
BU
5
1250
BK
6157
BN/YE
X700 8
6157
BN/YE
1
6157
RD
B27LR
Door
Handle
Switch -
Left Rear
Exterior
A24LR
Door
Handle
Assembly -
Left Rear
Exterior
1150
BU
5
1150
BK
G311
6158
YE/GY
X800 8
6158
YE/GY
1
6158
RD
B27RR
Door
Handle
Switch -
Right Rear
Exterior
A24RR
Door
Handle
Assembly -
Right Rear
Exterior
1250
BU
5
1250
BK
G312
L O C
D E S C
4688084

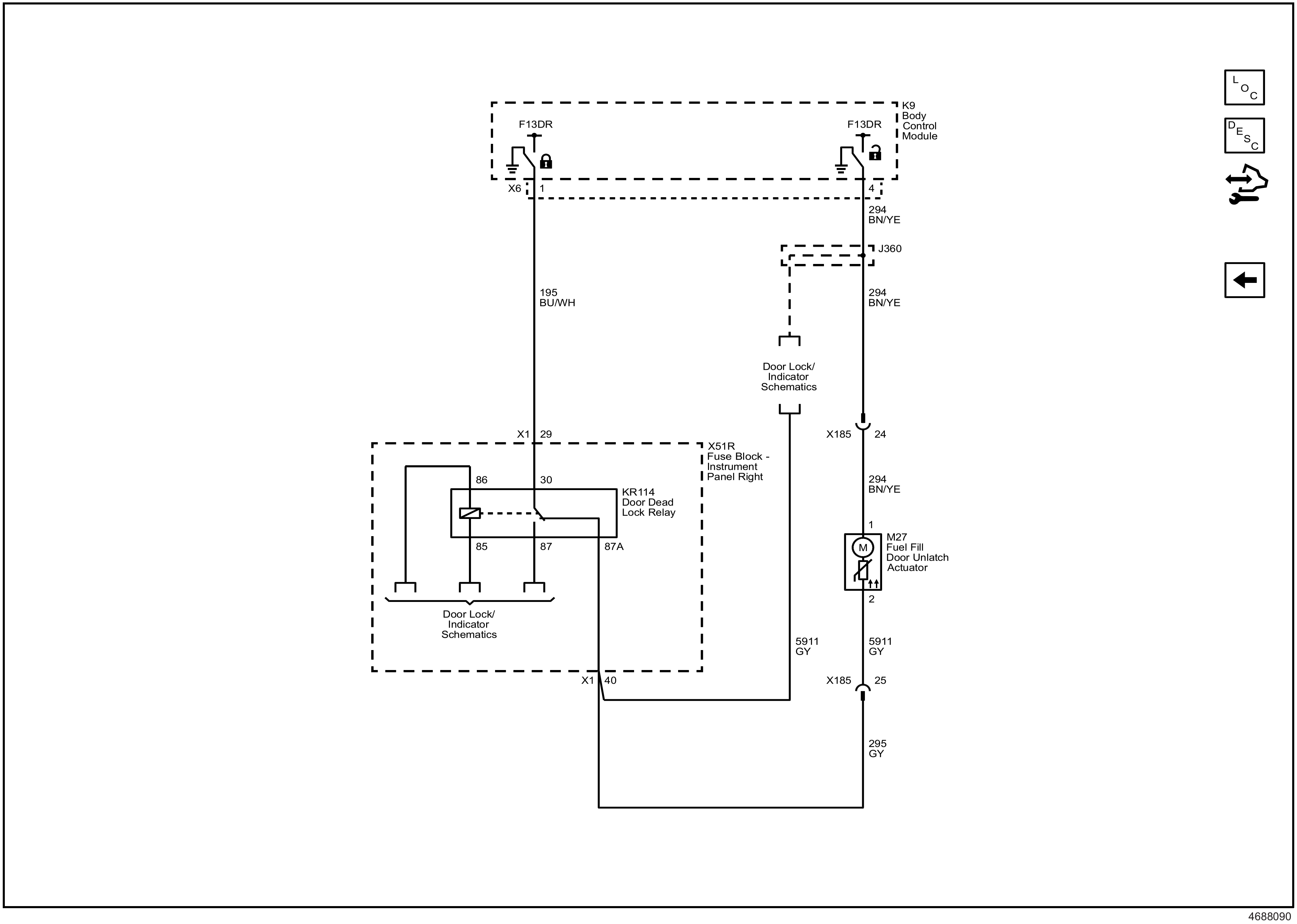
Release Systems Schematics (Liftglass Release)


4688085
LOC
DESC
B+
64
F11RA
10A
43
X53A
Fuse
Block -
Rear
Body
4340
RD/YE
7
KR162
Liftgate Window
Unlatch Relay
15
6
16
1150
BK
G311
6795
BU/YE
3
X490
25
1
M33
Liftgate
Window Latch
Assembly
M
2
1450
BK
K9
Body
Control
Module
F38DR
8
X4
6188
GY/YE
5
1303
VT/GY
28
4
3
G402
TB4
A23C
Liftgate
Latch
Assembly
15
X6
6190
GY/GN
26
X900
S141
Liftgate
Window
Unlatch
Switch
P16
Instrument
Cluster
P9
Driver Information
Center Display
A90
Logic

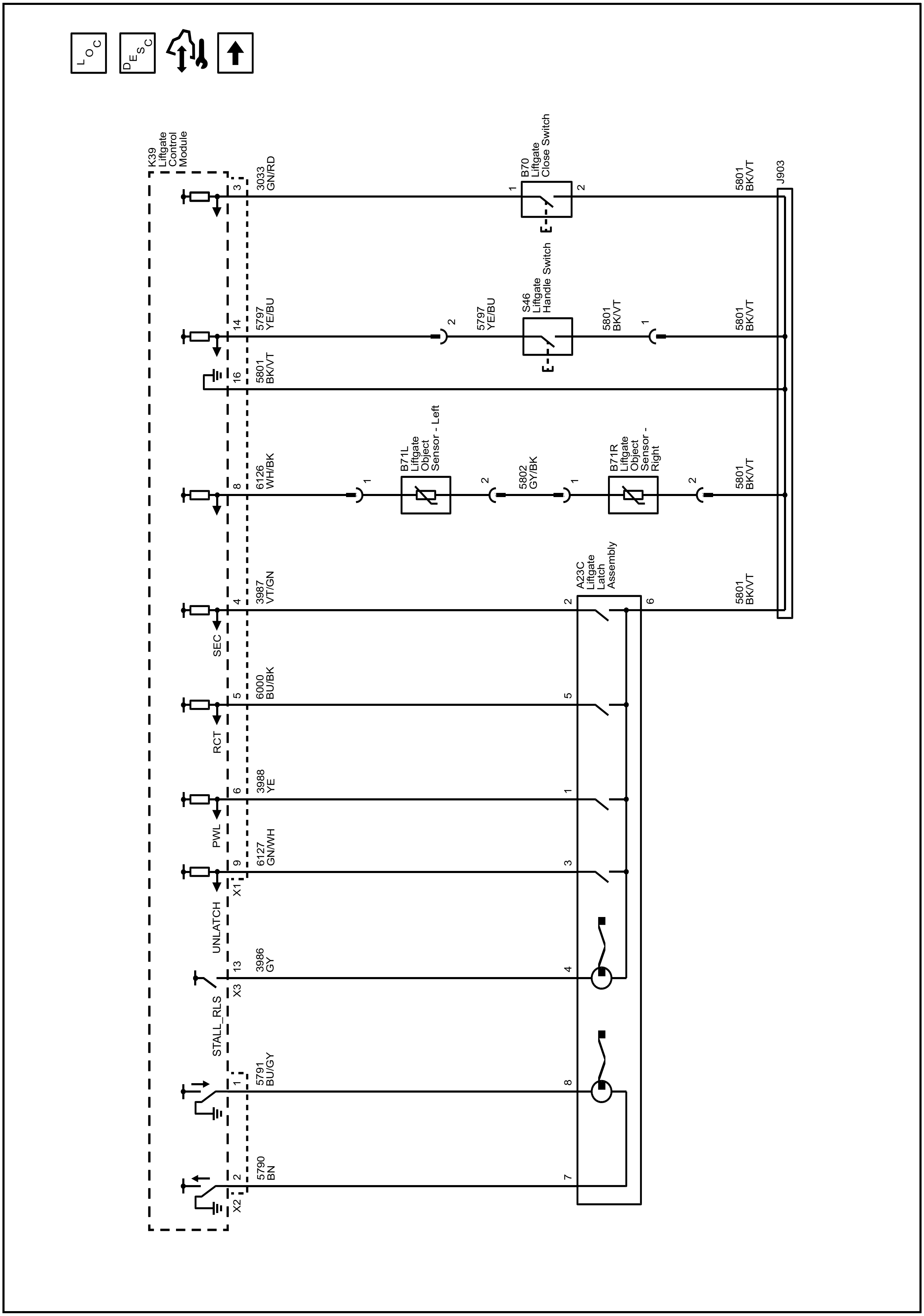
Release Systems Schematics (Liftgate Release (TB4))


4688089
L O C
D E S C
B+
X53A Fuse Block - Rear Body
64
F7RA 10A
49
4240 RD/BN
KR95A Liftgate Unlatch Relay
21
25
20
26
6128 BU/WH
2
X490
6128 BU/WH
19
6128 BU/WH
3
A23C Liftgate Latch Assembly
M
K9 Body Control Module
F19DL
X5 11
5706 GN/BN
X5 20
5704 YE
X6 5
1303 VT/GY
28
1303 VT/GY
2
1
1450 BK
G402
1303 VT/GY
M33 Liftgate Window Latch Assembly
X7 14
5797 YE/BU
24
X900
5797 YE/BU
1
5797 YE/BU
S46B Liftgate Unlatch Switch
1450 BK
2
1450 BK
P16 Instrument Cluster
P9 Driver Information Center Display
A90 Logic

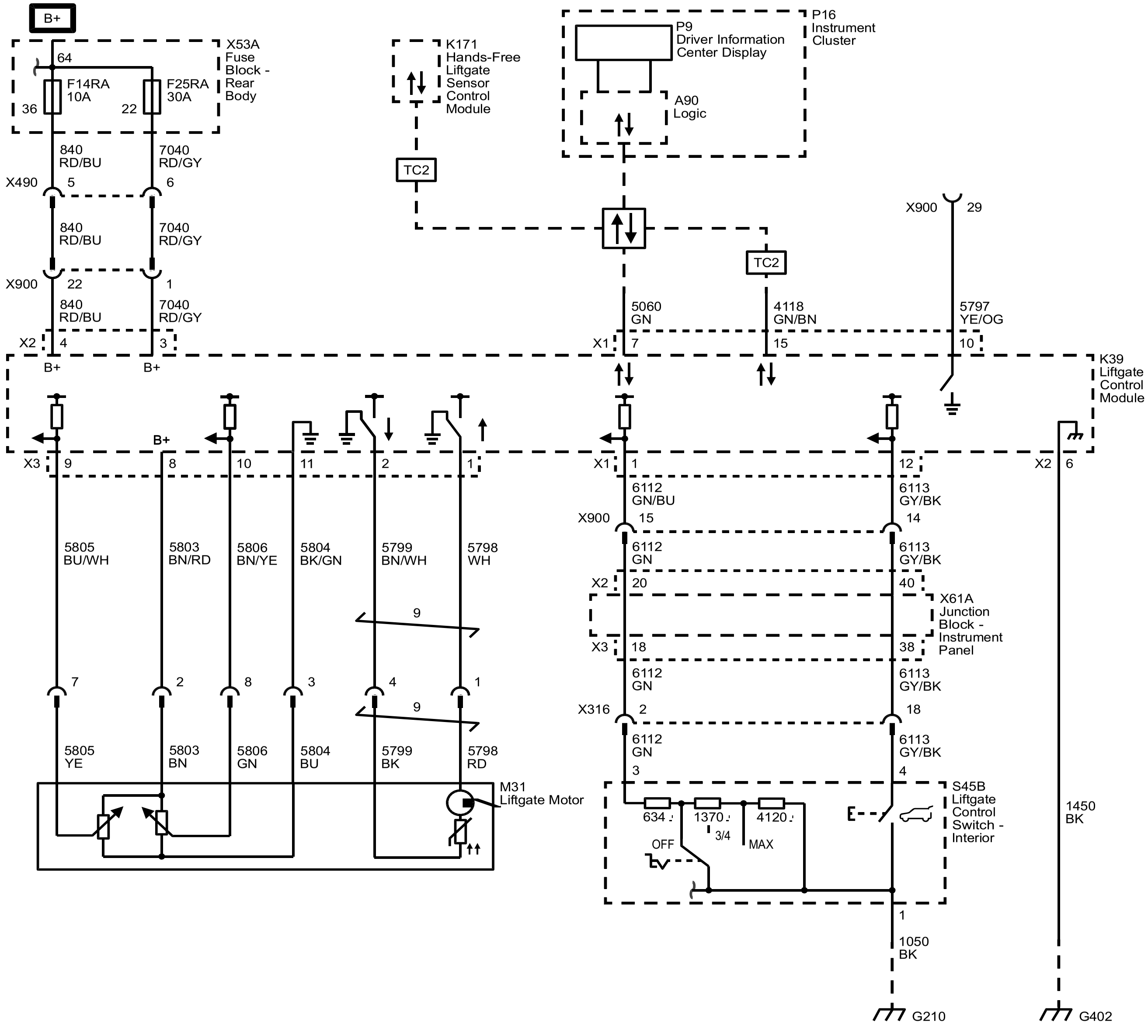
Release Systems Schematics (Fuel Door Lock (N08))


L O C
D E S C
K9
Body
Control
Module
F13DR
F13DR
X6
1
4
294
BN/YE
J360
294
BN/YE
195
BU/WH
Door Lock/
Indicator
Schematics
X185
24
X1
29
X51R
Fuse Block -
Instrument
Panel Right
86
30
KR114
Door Dead
Lock Relay
85
87
87A
Door Lock/
Indicator
Schematics
294
BN/YE
1
M
M27
Fuel Fill
Door Unlatch
Actuator
2
5911
GY
5911
GY
X1
40
X185
25
295
GY
4688090

Liftgate Schematics (Liftgate Motors (TB5))

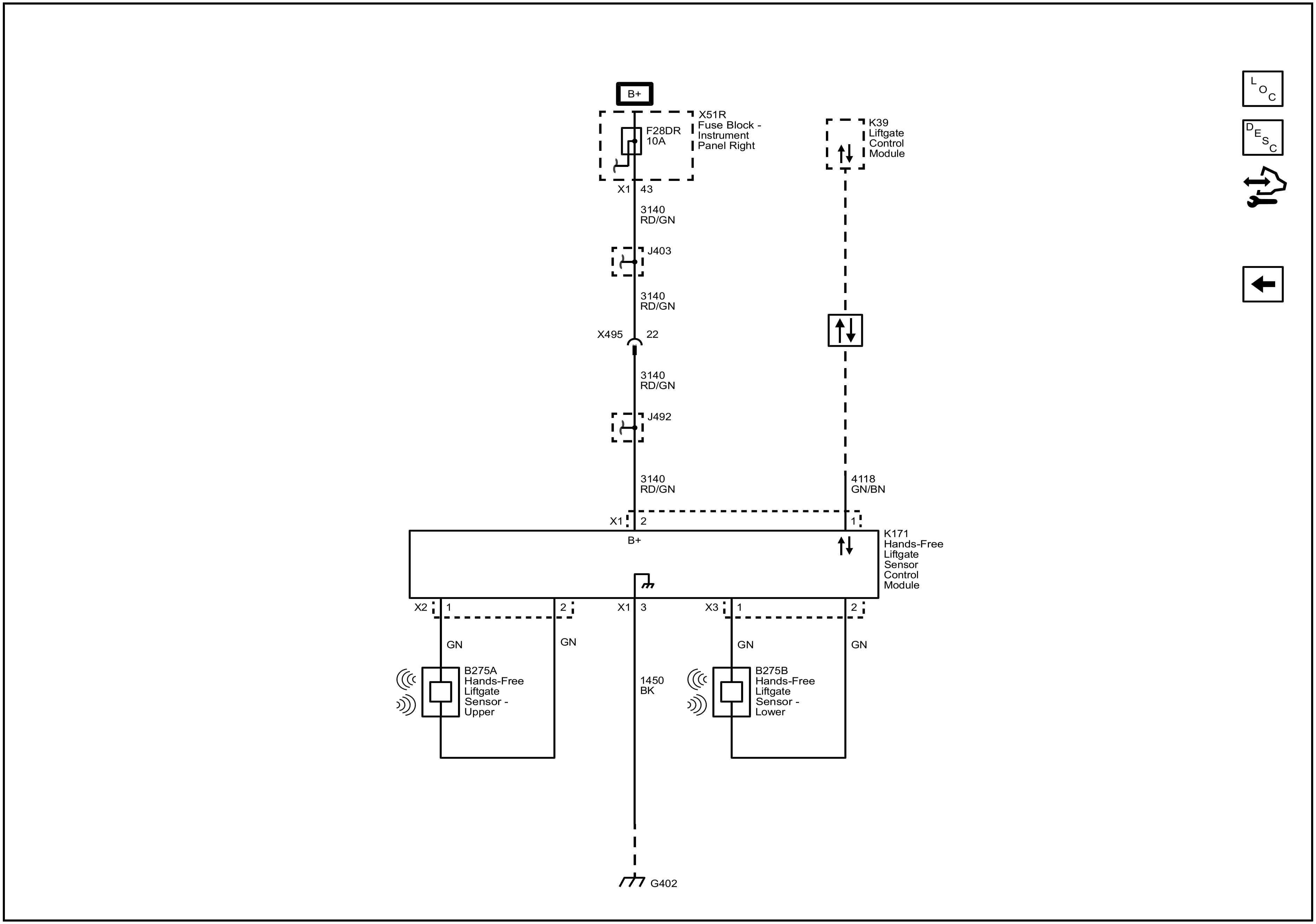

4688092
LOC
DESC
K39 Liftgate Control Module
3 3033 GN/RD
14 5797 YE/BU
16 5801 BK/VT
8 6126 WH/BK
4 3987 VT/GN
SEC
5 6000 BU/BK
RCT
6 3988 YE
PWL
9 6127 GN/WH
X1
UNLATCH
13 3986 GY
X3
STALL_RLS
1 5791 BU/GY
2 5790 BN
X2
B70 Liftgate Close Switch
1
2
5801 BK/VT
J903
2
5797 YE/BU
S46 Liftgate Handle Switch
5801 BK/VT
1
5801 BK/VT
1
B71L Liftgate Object Sensor - Left
2
5802 GY/BK
1
B71R Liftgate Object Sensor - Right
2
5801 BK/VT
A23C Liftgate Latch Assembly
2
6
5801 BK/VT
5
1
3
4
8
7

Liftgate Schematics (Liftgate Controls (TB5))


B+
X53A Fuse Block - Rear Body
64
F14RA 10A
36
F25RA 30A
22
840 RD/BU
7040 RD/GY
X490
5
6
X900
22
1
X2
4
3
B+
K171 Hands-Free Liftgate Sensor Control Module
TC2
P16 Instrument Cluster
P9 Driver Information Center Display
A90 Logic
TC2
5060 GN
4118 GN/BN
X900
29
5797 YE/OG
X1
7
15
10
K39 Liftgate Control Module
X3
9
8
10
11
2
1
X1
1
12
X2
6
5805 BU/WH
5803 BN/RD
5806 BN/YE
5804 BK/GN
5799 BN/WH
5798 WH
9
7
2
8
3
4
1
5805 YE
5803 BN
5806 GN
5804 BU
5799 BK
5798 RD
M31 Liftgate Motor
6112 GN/BU
6113 GY/BK
X900
15
14
6112 GN
6113 GY/BK
X2
20
40
X61A Junction Block - Instrument Panel
X3
18
38
X316
2
18
3
4
634 Ω
1370 Ω
4120 Ω
OFF
3/4
MAX
S45B Liftgate Control Switch - Interior
1
1050 BK
1450 BK
G210
G402

4688093

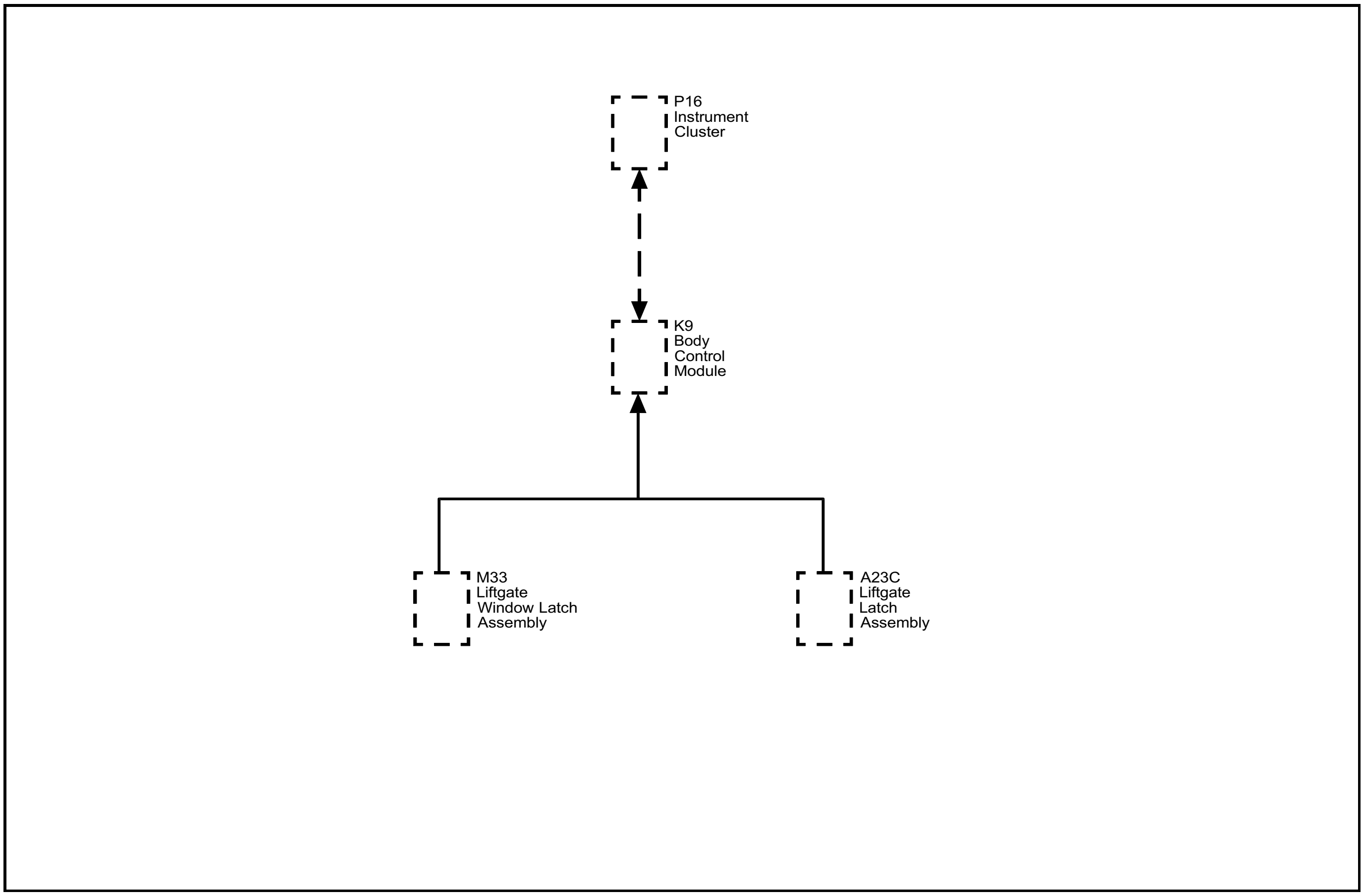
Liftgate Schematics (Hands Free Liftgate Controls (TC2))


B+
X51R
Fuse Block -
Instrument
Panel Right
F28DR
10A
X1 43
3140
RD/GN
J403
3140
RD/GN
X495 22
3140
RD/GN
J492
3140
RD/GN
K39
Liftgate
Control
Module
4118
GN/BN
X1 2
1
B+
K171
Hands-Free
Liftgate
Sensor
Control
Module
X2 1
2
X1 3
X3 1
2
GN
GN
GN
GN
B275A
Hands-Free
Liftgate
Sensor -
Upper
1450
BK
B275B
Hands-Free
Liftgate
Sensor -
Lower
G402
LOC
DESC
4688094

Description and Operation

Liftgate Ajar Indicator Description and Operation

Liftgate-Liftglass Ajar Indicator without TB5

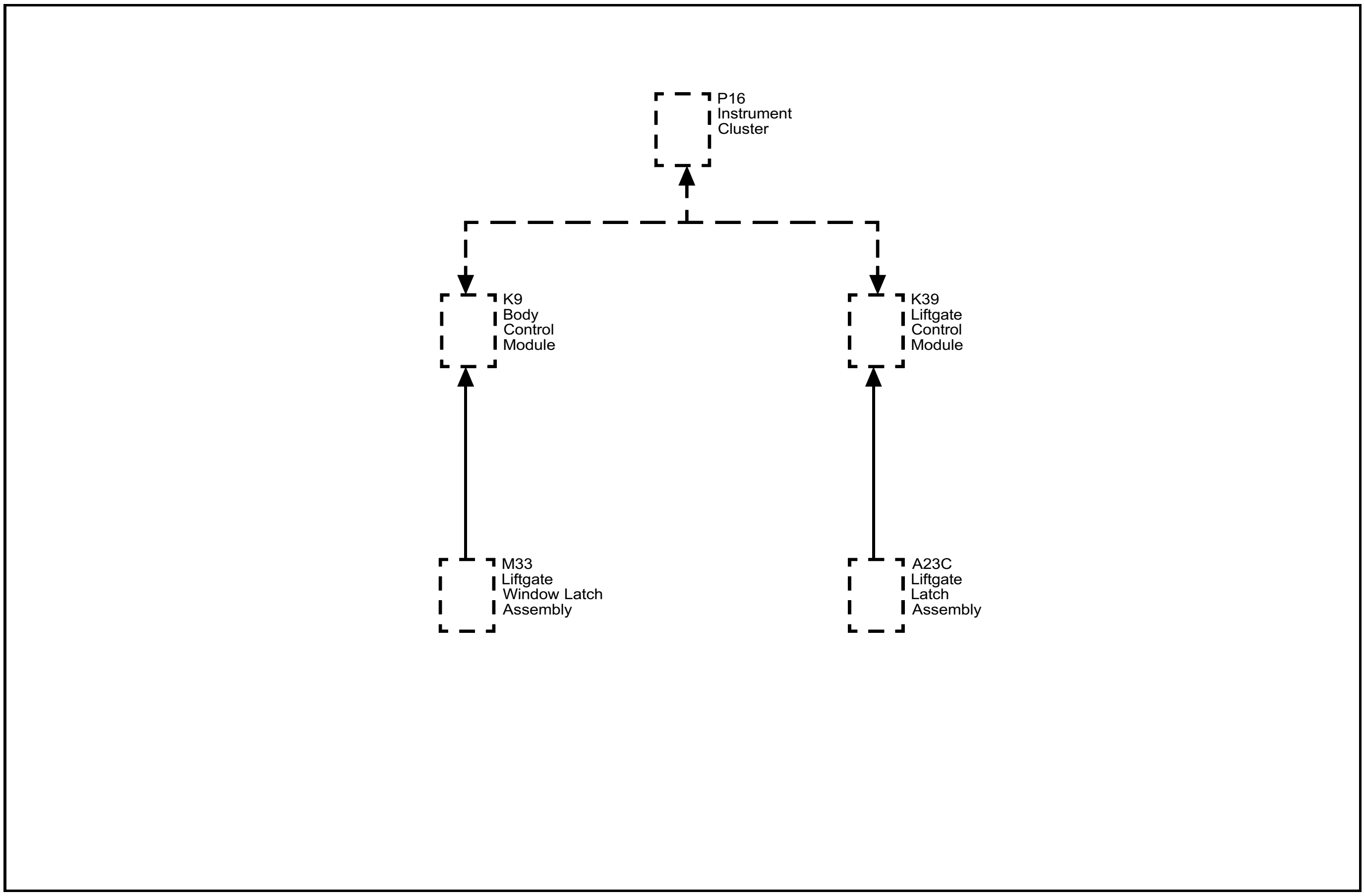

P16
Instrument
Cluster
K9
Body
Control
Module
M33
Liftgate
Window Latch
Assembly
A23C
Liftgate
Latch
Assembly

3657643

Manual Liftgate

The body control module supplies a 12V signal to the liftgate/liftglass ajar signal circuit. The liftgate and liftglass ajar switches are normally open when the liftgate or liftglass is fully closed. When the liftgate or liftglass is opened, the ajar switch contacts close providing a path to ground. The instrument cluster receives a serial data message from the body control module indicating the liftgate ajar status and the driver information center will display the REAR ACCESS OPEN message.

Liftgate-Liftglass Ajar Indicator with TB5



3657639

Power Liftgate

The driver information center illuminates the Rear Access Open message when the liftgate module detects the liftgate ratchet and the liftgate sector switches are closed to ground indicating the liftgate is open. The instrument cluster receives a serial data message from the liftgate module indicating the liftgate ajar status.

The body control module supplies a 12V signal to the liftglass ajar circuit. The liftglass ajar switch is normally open when the liftglass is fully closed. When the liftglass is opened, the ajar switch contacts close providing a path to ground. The instrument cluster receives a serial data message from the body control module indicating the liftgate ajar status and the driver information center will display the REAR ACCESS OPEN message.

Liftgate Description and Operation

System Description

The power liftgate system consists of the following components:

- Liftgate control module
- Liftgate position sensor (part of the power assist actuator)
- Interior liftgate rotary switch
- Liftgate handle switch
- Liftgate close switch
- Liftgate latch assembly
- Liftgate power assist actuator
- Left and right liftgate object sensors
- Hands free liftgate sensor control module
- Upper and lower liftgate hands free sensors
- Keyless entry transmitter
- Remote control door lock receiver

Operation

The power liftgate can be commanded to power open and power close by the following methods:

- An open or close command from the interior liftgate rotary switch
- An open command from the liftgate handle switch
- A close command from the liftgate close switch
- An open or close request by a signal from the keyless entry transmitter to the remote control door lock receiver
- The kicking motion of a foot and lower leg under the rear fascia – Sensor location may vary depending upon make and model, refer to owner’s manual for the location of the sensors

The liftgate control module will respond to a request by commanding the liftgate latch to release the liftgate and activate the liftgate motor in the liftgate power assist actuator and raise the liftgate to the open position or to lower and cinch the liftgate closed.

Power Latch

The liftgate control module continuously monitors power liftgate operation and calculates its location and direction of travel from an liftgate position sensor (part of the power assist actuator). One input returns the position of the liftgate relative to the x-axis and y-axis. The liftgate control module then uses these 2 inputs together to calculate its angle relative to the liftgate. The interior liftgate rotary switch contains resistors which will incrementally drop the voltage level in the signal circuit as the switch rotated from the OFF position to the ¾ position or the MAX position, the liftgate control module will detect the change in voltage and will monitor the x-axis and y-axis as the liftgate is in motion to stop the liftgate parallel to the vehicle roof if the rotary switch is in the ¾ setting or to open fully if the rotary switch is in the MAX setting.

The liftgate latch assembly is a bi-directional motor and latch or unlatch operation is the result of the direction of the motor rotation. The liftgate control module controls the liftgate latch assembly through the control circuits by supplying power and ground in the appropriate polarity. The motor control circuits are monitored by the liftgate control module prior to activation for a high or low condition and during motor operation for an insufficient current flow condition. The ratchet, pawl, and sector switches are part of the liftgate latch assembly and are used by the liftgate control module to determine the state of the latch during the process of latching or unlatching. Each of the latch switch signal circuits are supplied battery voltage and monitored within the liftgate control module. The latch switches share a common low reference circuit from the liftgate control module and when the switch contacts close the signal circuit goes low and the liftgate control module determines the switch to be active.

The liftgate handle switch and liftgate close switch signal circuit are each supplied battery voltage by the liftgate control module. The switches share a common low reference circuit from the liftgate control module and when the switch is pressed the contacts close and the appropriate signal circuit goes low, the liftgate control module will detect the voltage drop and will command the liftgate to release and power open or to power close.

For vehicles without the optional passive keyless entry, when the liftgate handle switch is pressed, the liftgate control module will check the status of the vehicle door locks by sending a serial data message to the body control module requesting the door lock status. If the vehicle doors are locked, the liftgate control module will ignore the signal from the liftgate handle switch. If the vehicle doors are unlocked, the liftgate control module will permit the liftgate to unlatch and power open when the liftgate handle switch is pressed.

For vehicles with the optional passive keyless entry system, the keyless entry control module monitors the proximity of the keyless entry transmitter. If the liftgate handle switch is pressed and the keyless entry transmitter is within range, the keyless entry control module will send a serial data message to the liftgate control module indicating the presence of the keyless entry transmitter and the liftgate control module will permit the liftgate to unlatch and power open. If the doors are locked and the keyless entry transmitter is not within range, the liftgate control module will ignore the signal from the liftgate handle switch.

Liftgate Hands Free Sensor

The sensors are located behind the rear fascia (location may vary depending upon make and model, refer to owner’s manual for the location of the sensors) and is designed to detect the motion of the operator’s foot by way of a kicking motion. When the keyless entry transmitter is within 3 feet (1 meter) of the liftgate and the operator kicks his or her foot under the rear fascia, the sensors will detect the motion of the foot and the lower leg and if the procedure has been performed correctly the hands free liftgate sensor control module will send a serial data message to the liftgate control module. The tail lamps will then flash to indicate that the command has been received and the liftgate will power open or power close.

Object Detection

The power liftgate system uses an object detection method which consists of object sensors fixed to both sides of the liftgate near the seal area. The object sensors consist of an internal fixed resistor and normally open switch contacts which when closed will bypass the resistor. The signal circuit is supplied 5 V through a resistor and monitored within the liftgate control module, and during normal power liftgate operation the signal circuit should remain a fixed value. When an object presses one of the sensors the contacts close and the resistor is bypassed causing the signal circuit voltage at the module to go low. If the liftgate is being power closed at that time, the liftgate control module will command the power liftgate to reverse direction. All power close liftgate operations will be suspended until the obstruction pressing on the object sensor is removed

Manual Liftgate Operation

The operator has the option to disable the power liftgate operations by selecting the “OFF” position on the interior liftgate rotary switch. The releasing and cinching for the liftgate latch will function normally, however, the operator must manually pull the liftgate open and push the liftgate closed. All power liftgate operations will be suspended for as long as the liftgate rotary switch is in the “OFF” position.

Power Door Locks Description and Operation

Door Lock System Components

The power door lock system consists of the following components:

- Driver door lock switch
- Driver door key cylinder switch (Part of the driver door latch assembly)
- Child door lockout switch (Part of the driver window switch)
- Passenger door lock switch
- Front door lock actuators
- Rear door lock actuators
- Body control module (BCM)

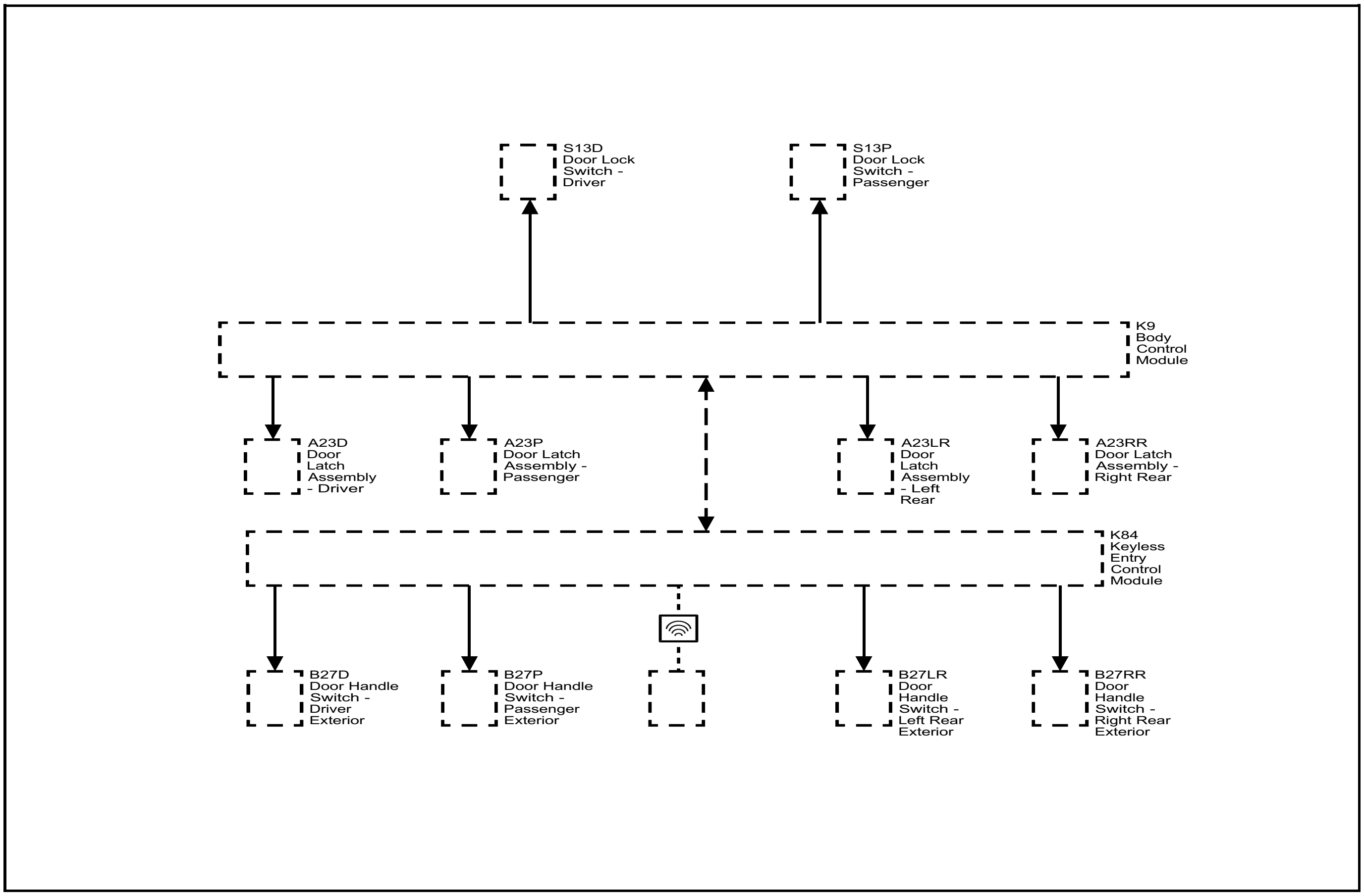
- Keyless entry control module
- Exterior door handle switches
- Right instrument panel fuse block (Contains child security lock disable PCB relay and/or door dead lock PCB relay)

Door Lock System Controls

The power door lock system can be controlled by any of the following:

- A door lock switch LOCK or UNLOCK activation
- A key cylinder switch unlock activation
- A keyless entry transmitter activation
- Pressing the driver door lock plunger flush with the door panel will lock all doors

Power Door Locks Block Diagram


S13D Door Lock Switch - Driver
S13P Door Lock Switch - Passenger
K9 Body Control Module
A23D Door Latch Assembly - Driver
A23P Door Latch Assembly - Passenger
A23LR Door Latch Assembly - Left Rear
A23RR Door Latch Assembly - Right Rear
K84 Keyless Entry Control Module
B27D Door Handle Switch - Driver Exterior
B27P Door Handle Switch - Passenger Exterior
B27LR Door Handle Switch - Left Rear Exterior
B27RR Door Handle Switch - Right Rear Exterior

3270435

Door Lock Operation

When the doors have been locked, the passengers inside the vehicle can still open the doors by using the interior door handle (except vehicles with the child locks engaged or dead locks engaged). Pulling the interior door handle the first time will unlock the door and pulling the interior door handle a second time will unlatch the door.

The BCM supplies a 12 volt signal to the lock and unlock signal circuits of the driver and passenger door lock switches. When the appropriate switch is pressed, a contact within the door lock switch closes providing a ground path for the signal circuit. The BCM will detect the voltage drop in the signal and will command the doors to perform the lock or unlock functions.

The driver door latch contains 2 internal switches and 2 signal circuits that are monitored by the BCM. One switch is controlled by the driver key cylinder switch, when the key is turned to the unlock position, a switch will close and the BCM will command the remaining doors to UNLOCK. The other switch is controlled by the driver door lock plunger, pressing the plunger flush with the door panel will close the switch, the switch will close and the BCM will command the remaining doors to LOCK

The BCM may also receive a LOCK or UNLOCK command from the keyless entry control module.

The BCM, upon receipt of a lock switch lock or unlock signal, will supply voltage to the door lock actuator lock or unlock control circuits. Since the opposite side of the lock actuator is connected to ground through the other lock actuator control circuit, the doors will then lock or unlock as commanded.

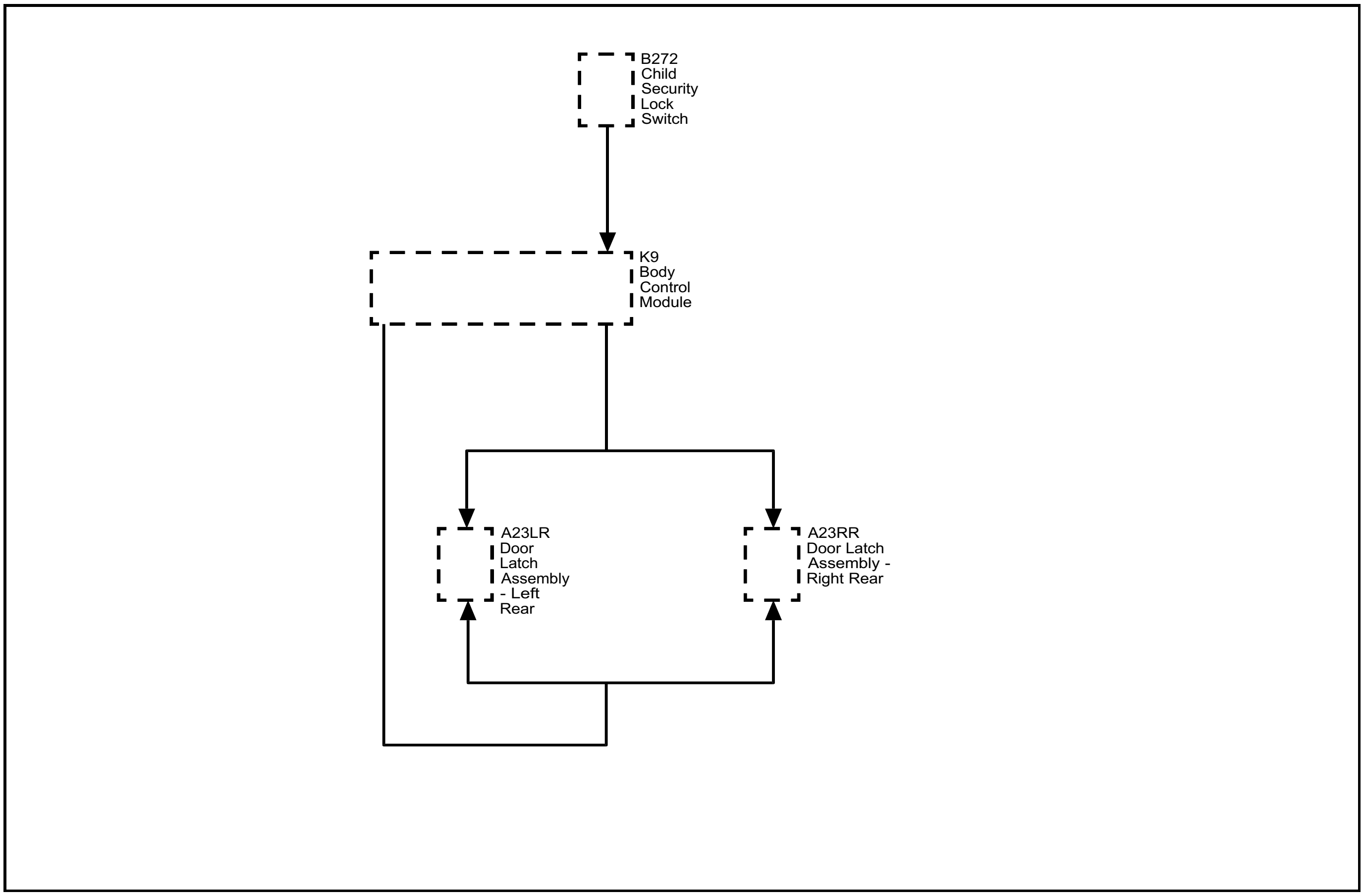
The following three circuits are used to operate the lock:

- Driver door unlock
- Passenger doors unlock
- All doors lock

Passive Door Lock/Unlock Operation

The exterior door handle switch signal circuits provide inputs to the keyless entry control module when the exterior door handle switches are activated. These inputs allow the keyless entry control module to detect a door lock or a door unlock request. The keyless entry control module provides a 12 V signal to each exterior door handle switch via the door handle switch signal circuits. When a door handle switch is pressed, the switch closes and the voltage signal within the signal circuit is pulled to ground. The keyless entry control module will detect the voltage drop and a low frequency antenna will transmit a challenge to the keyless entry transmitter. If the challenge is met, the keyless entry transmitter will respond, and the keyless entry control module will send a serial data message to the body control module to command the door(s) to be locked or unlocked

Power Door Child Lock Block Diagram



3640353

Child Security Lockout System Operation

The child door lockout switch on the driver window switch controls the child locks on the rear doors. The lockout switch is an input to the body control module and the body control module controls the door lock security relay. When the body control module receives a command from the child door lockout switch, it will apply voltage to the child security lock disable relay coil, this will energize the relay and the contact within the relay will then direct the voltage to activate the left rear and right rear child locks and then isolate them from the normal door lock system to prevent the rear doors from being opened by using the interior rear door handles. An indicator will also illuminate to alert the driver that the child lockout system has been activated. Pushing the switch again will return normal function to the rear interior door handles and the indicator will go out.

The body control module monitors the voltage level of the child security motor status signal circuit, when the child locks have been activated, the contacts of the child security motor status switch (internal to the rear door latch) will close providing a ground path for the signal circuit pulling the voltage low. It is in this manner that the body control module is able to determine if the rear door latch has been successfully been locked out.

The body control module monitors the status of the child security lockout system, when the body control module detects a fault in the system, it will command the child lockout indicator to flash ON and OFF for 30 seconds to alert the driver that the child security lockout system may not be functioning properly.

The body control module will command the child lockout indicator to flash ON and OFF for the following reasons:

- An open/high resistance in either child security motor status signal circuit
- The body control module detects that one or both rear door latches have not activated and are not locked out
- The body control module detects a short to ground or an open/high resistance in the child security lock disable relay control circuit
- A malfunctioning child security lock disable relay
- An open/high resistance in the child security lock motor control circuit

Power Door Lock Deadlock Operation

Some vehicles may be equipped with the deadlock security feature which includes an additional reversible deadlock motor contained within each door latch assembly. Each deadlock motor is wired to the BCM through 2 control circuits; the door lock deadlock control circuit and the door lock actuator unlock control circuit. To lock the door with deadlock, the door locks are activated by momentarily applying voltage to the door lock deadlock control circuits, and ground to the door lock actuator unlock control circuits. Ground to the deadlock actuators is provided through the door lock actuator unlock control circuits. Once the doors are locked with deadlock, the mechanical lock/unlock linkage within the door lock actuator is physically disconnected so that the door can not be manually unlocked and disables the functions of the interior door handles. If the content theft feature is armed at the same time, the interior door lock switches will not operate the locks.

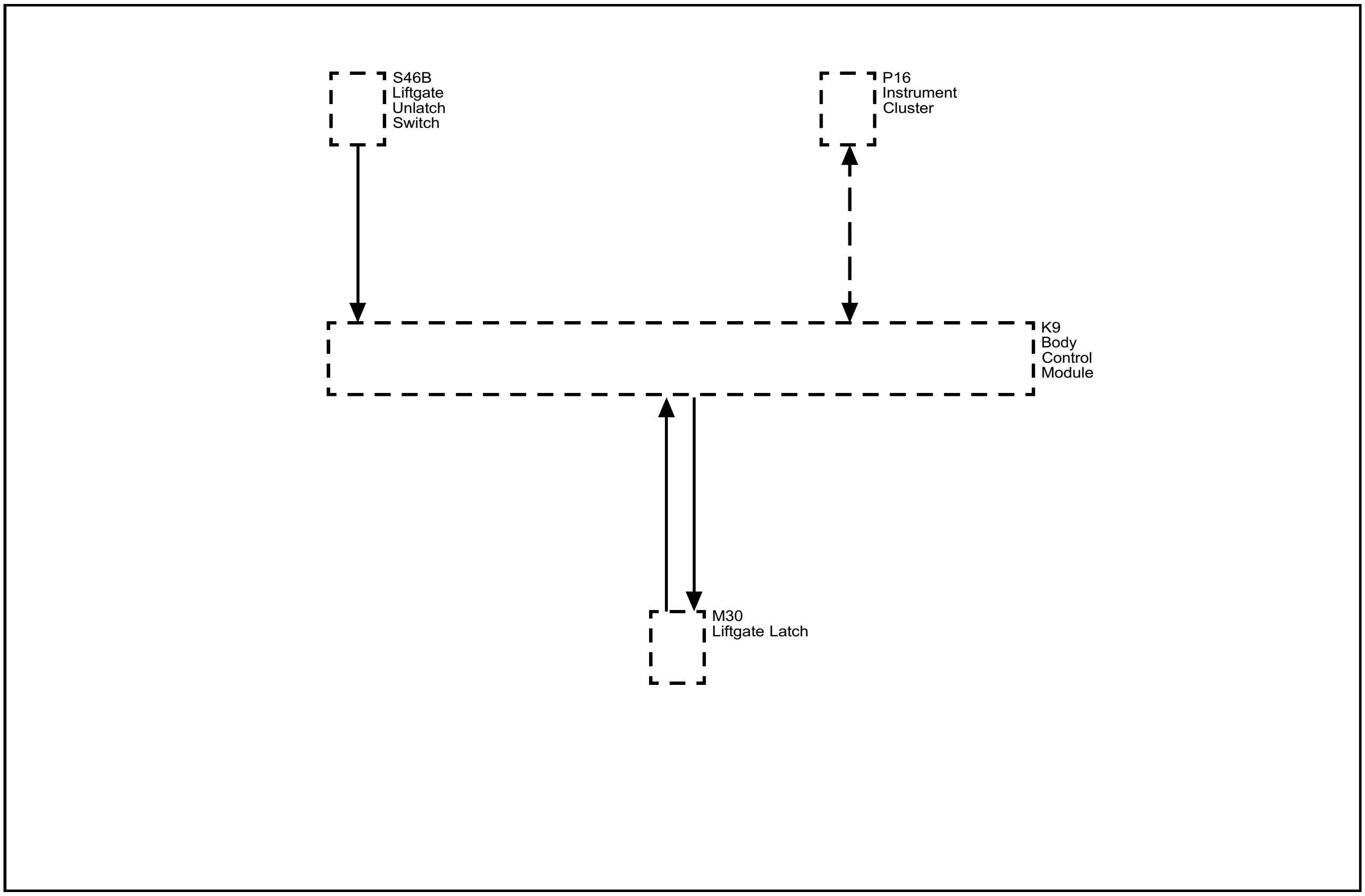
To restore the interior door handle functions, the BCM unlocks the doors by momentarily applying ground to the deadlock motor unlock control circuit. This energizes the rear door unlock relay coil causing voltage to flow through the switch contacts to the door lock and deadlock motors. Ground for both motors is supplied through the door lock motor lock circuit through the normally closed contacts of the lock relay to ground.

Rear Hatch/Gate Description and Operation

Liftgate Release System Components

- Body control module (BCM)
- Liftgate unlatch switch
- Liftgate window unlatch switch
- Liftgate latch assembly
- Liftgate window latch assembly
- Liftgate window unlatch relay
- Liftgate unlatch relay

Liftgate Release Block Diagram



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Liftgate Release Operation

Liftgate Unlatch Switch

The BCM monitors supplies a 12 V signal to the liftgate unlatch switch so that when the switch is pressed, the voltage within the signal circuit is pulled low and in response, the BCM will detect the voltage drop and check the status of the door lock system. If the doors are locked, the BCM will ignore the request, if the All Doors Unlocked has been commanded, the BCM will recognize the request and command the liftgate to release.

Liftgate Latch

When BCM receives a liftgate release command from the liftgate unlatch switch, the BCM applies voltage and ground to the liftgate unlatch relay control circuit, which energizes the coil side of the relay. The switch side of the release relay then momentarily closes, supplying a brief pulse of battery positive voltage to the liftgate latch. The liftgate latch is continuously grounded and when it receives the voltage pulse, it will become energized and the latch will activate releasing the liftgate so that it may be manually raised to an open position.

Keyless Entry Transmitter

The BCM may also get a rear compartment release command from the remote keyless entry module. When the liftgate button is pressed on the keyless entry transmitter, a liftgate release request is sent to the remote keyless entry module, the remote keyless entry module will then send a serial data message to the BCM to command the release of the liftgate.

Liftgate Window

Liftgate Window Unlatch Switch

The BCM monitors supplies a 12 V signal to the liftgate window unlatch switch so that when the switch is pressed, the voltage within the signal circuit is pulled low and in response, the BCM will detect the voltage drop and check the status of the door lock system. If the doors are locked, the BCM will ignore the request, if the All Doors Unlocked has been commanded, the BCM will recognize the request and command the liftgate window to release.

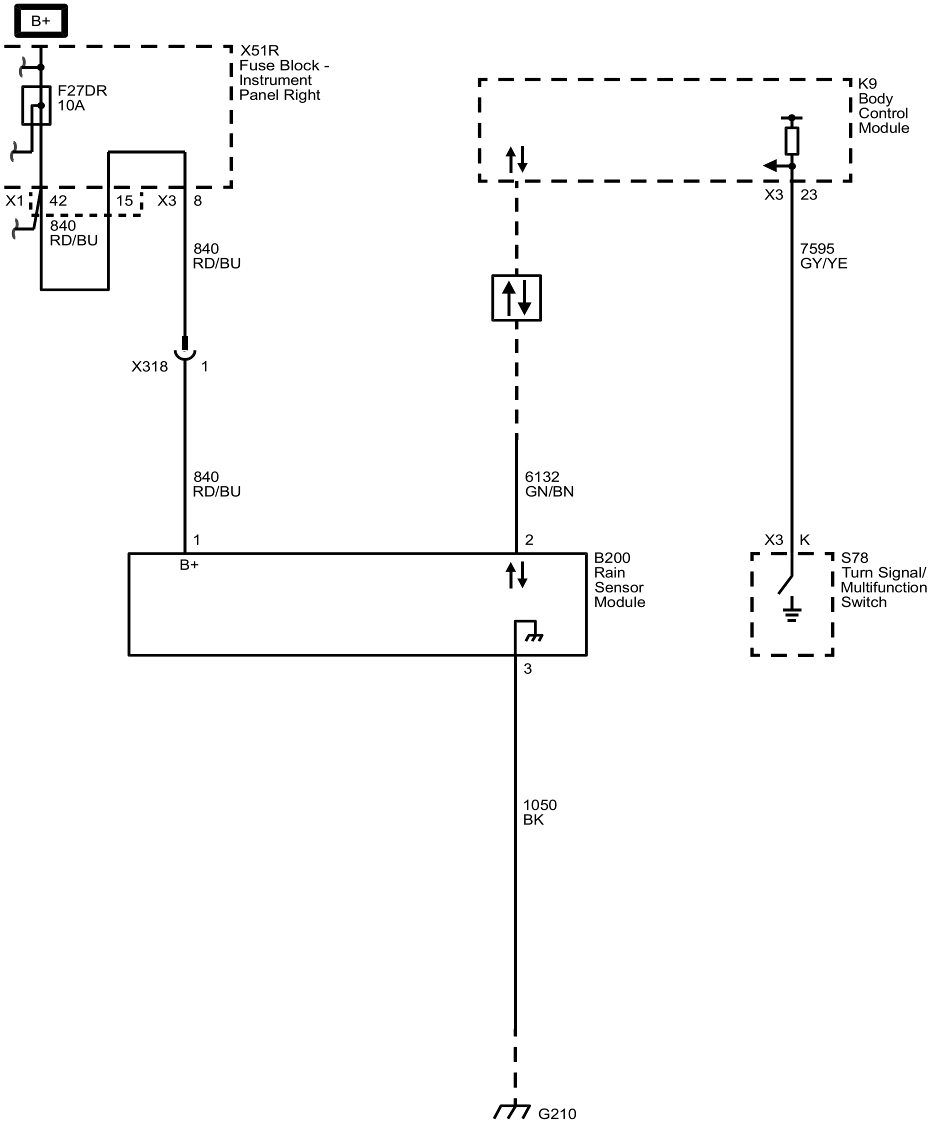
Liftgate Window Latch

When BCM receives a liftgate window release command from the liftgate window unlatch switch, the BCM applies voltage to the liftgate window unlatch relay control circuit, which energizes the coil side of the relay. The switch side of the liftgate window unlatch relay then momentarily closes, supplying a brief pulse of battery positive voltage to the liftgate window latch. The liftgate window latch is continuously grounded and when it receives the voltage pulse, it will become energized and the latch will activate releasing the liftgate window so that it may be manually raised to an open position.

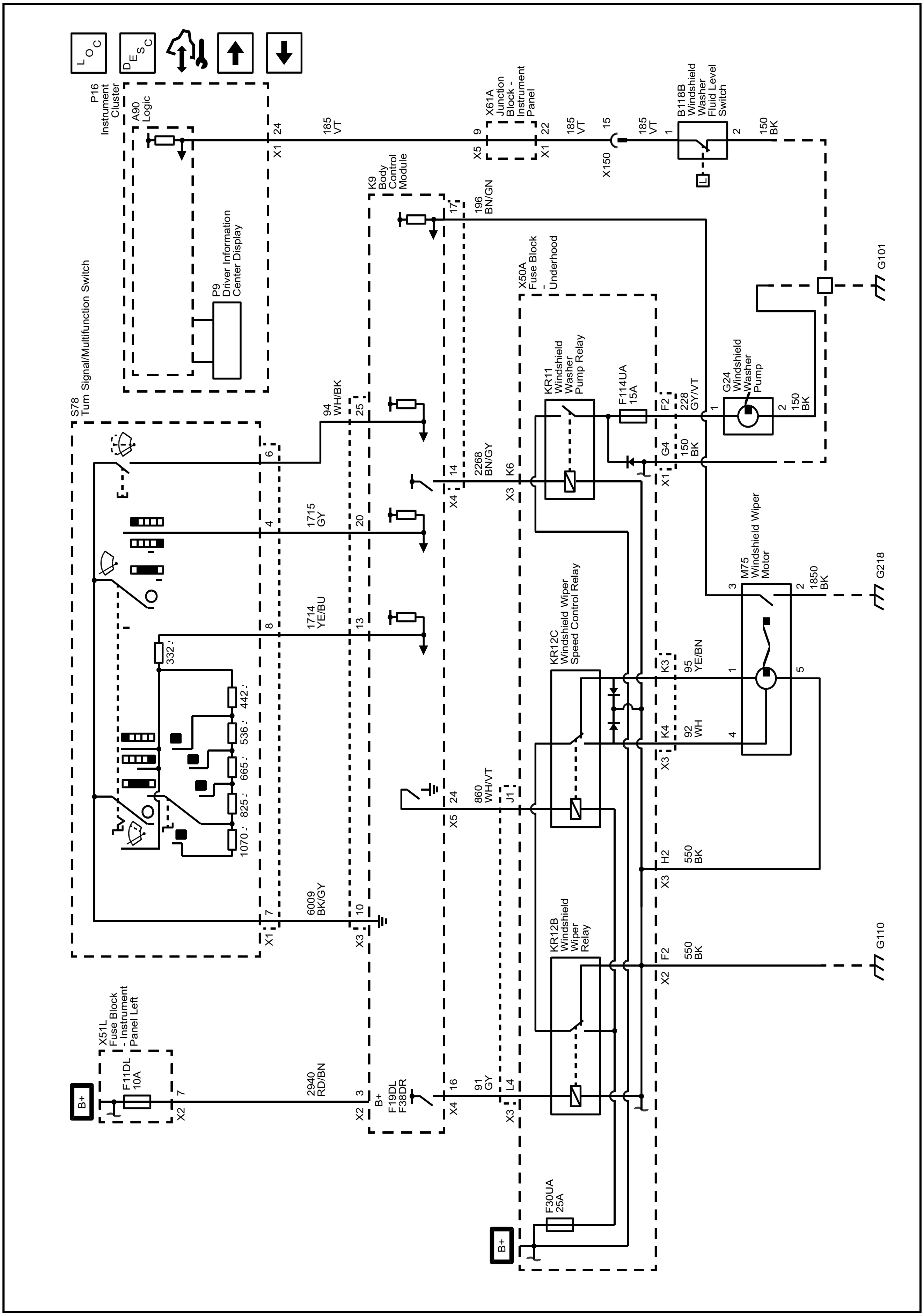
Wipers and Washers

Schematic and Routing Diagrams

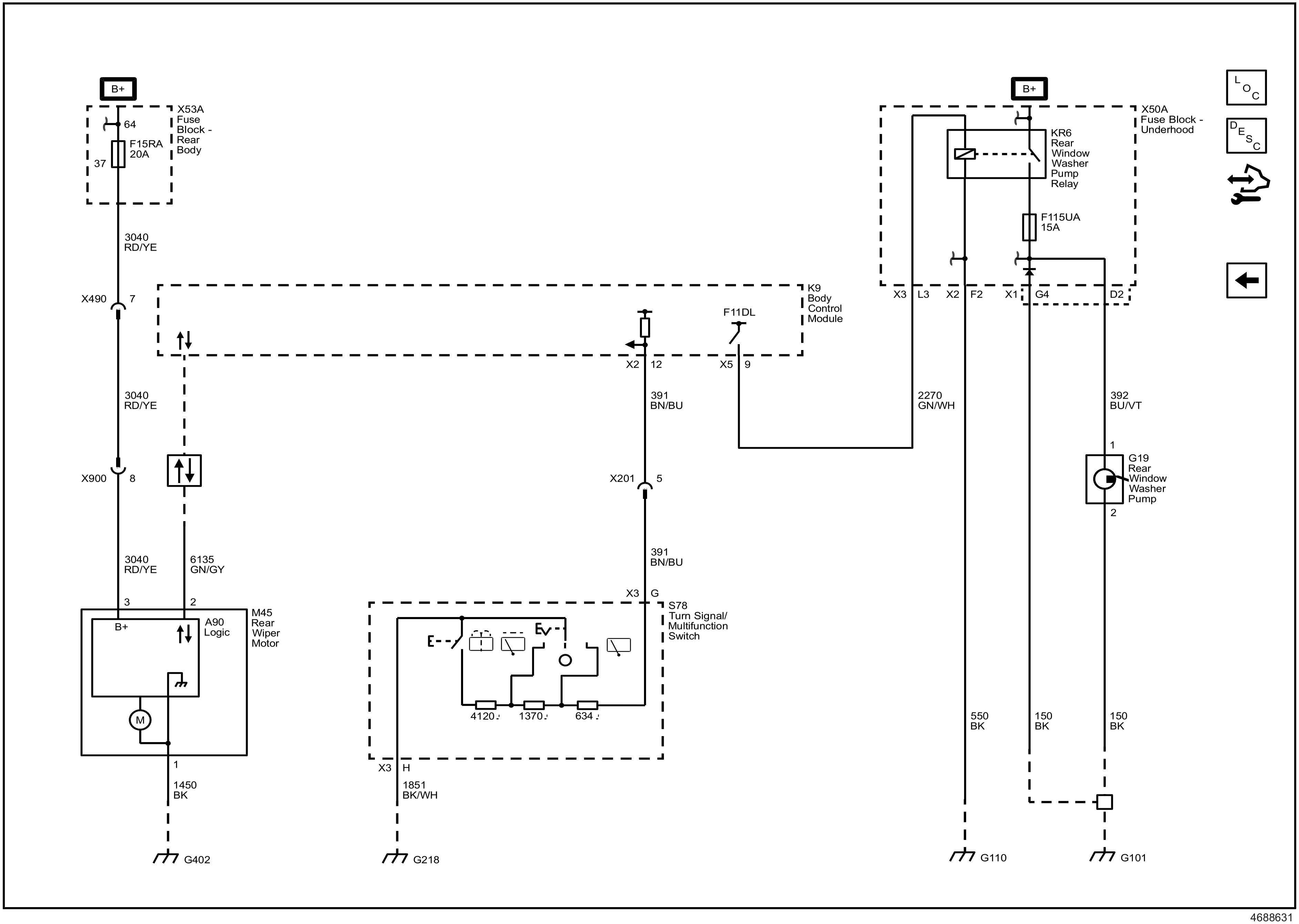
Wiper/Washer Schematics (Rain Sense)


B+
X51R
Fuse Block -
Instrument
Panel Right
F27DR
10A
X1
42
15
X3
8
840
RD/BU
840
RD/BU
X318
1
840
RD/BU
1
B+
K9
Body
Control
Module
X3
23
7595
GY/YE
6132
GN/BN
2
B200
Rain
Sensor
Module
3
1050
BK
G210
X3
K
S78
Turn Signal/
Multifunction
Switch
4688364

Wiper/Washer Schematics (Front Wiper Motor and Washer Pump)


4688486
L O C
D E S C
P16 Instrument Cluster
A90 Logic
P9 Driver Information Center Display
X1 24
185 VT
X5 9
X61A Junction Block - Instrument Panel
X1 22
185 VT
15
X150
185 VT
1
B118B Windshield Washer Fluid Level Switch
2
150 BK
G101
K9 Body Control Module
17
196 BN/GN
X50A Fuse Block - Underhood
KR11 Windshield Washer Pump Relay
F114UA 15A
F2
228 GY/VT
G24 Windshield Washer Pump
1
2
150 BK
G4
150 BK
X1
S78 Turn Signal/Multifunction Switch
6
94 WH/BK
25
14
2268 BN/GY
K6
X4
X3
4
1715 GY
20
M75 Windshield Wiper Motor
3
2
1850 BK
G218
8
1714 YE/BU
13
KR12C Windshield Wiper Speed Control Relay
332
442
536
665
825
1070
K3
95 YE/BN
1
5
K4
92 WH
4
X3
24
860 WH/VT
J1
X5
H2
550 BK
X3
7
6009 BK/GY
10
X1
X3
KR12B Windshield Wiper Relay
F2
550 BK
X2
G110
X51L Fuse Block - Instrument Panel Left
F11DL 10A
B+
X2
7
2940 RD/BN
3
X2
B+
F19DL F38DR
16
X4
91 GY
L4
X3
F30UA 25A
B+

Wiper/Washer Schematics (Rear Wiper Motor and Washer Pump)


B+
X53A
Fuse
Block -
Rear
Body
64
F15RA
20A
37
3040
RD/YE
X490
7
3040
RD/YE
X900
8
3040
RD/YE
6135
GN/GY
3
2
M45
Rear
Wiper
Motor
B+
A90
Logic
M
1
1450
BK
G402
K9
Body
Control
Module
F11DL
X2
12
X5
9
391
BN/BU
X201
5
391
BN/BU
X3
G
S78
Turn Signal/
Multifunction
Switch
4120Ω
1370Ω
634Ω
X3
H
1851
BK/WH
G218
B+
X50A
Fuse Block -
Underhood
KR6
Rear
Window
Washer
Pump
Relay
F115UA
15A
X3
L3
X2
F2
X1
G4
D2
2270
GN/WH
392
BU/VT
1
G19
Rear
Window
Washer
Pump
2
550
BK
150
BK
150
BK
G110
G101
L O C
D E S C
4688631

Description and Operation

Wiper/Washer System Description and Operation

Wiper/Washer System Components

The wiper/washer system consists of the following electrical components:

- Windshield Wiper Relay
- Windshield Wiper Speed Control Relay
- Windshield Washer Pump Relay
- Windshield Washer Fluid Pump
- Windshield Wiper Motor
- Window Wiper/Washer Switch
- Windshield Wiper Motor Fuse
- Windshield Washer Fluid Pump Fuse
- Body Control Module
- Rear Window Wiper Motor
- Rear Window Wiper Motor Fuse
- Rear Window Wiper Relay
- Rear Window Washer Pump Relay
- Windshield Washer Fluid Level Switch
- Rain Sensor

Windshield Wiper System

The body control module (BCM) determines the front wipe/wash system mode of operation by monitoring several signals from the front wipe/wash switch as indicated in the wiper switch.

The front wipe/wash switch receives a reference ground signal from the BCM. Each input of the BCM provides a switched battery pull-up for each front wiper/washer switch output signal it receives. All the BCM inputs are recognized as active when the wiper switch provides a path to the referenced ground signal. The first signal received by the BCM is the result of 6 resistors in the front wiper switch configured as a resistor ladder network. This signal is connected to a BCM analog to digital input. Depending on the function selected (High, Low, Intermittent 1 thru 5, Mist, Off), the front wiper control switch connects a different set of resistors into the circuit resulting in different voltages appearing on the BCM A/D input. By monitoring this voltage, the BCM determines how to control the wiper motor On/Off Relay. It should be noted that High, Low, and Mist all have the same value on this signal circuit. The second signal received from the front wiper switch is active only when the front wiper switch is in the high speed wiper position. When the wiper switch is not in the high speed position, the switch is open and the signal circuit is pulled to battery by the BCM. When the wiper switch is in the high speed position, the switch pulls the circuit low. The BCM determines how to control the Wiper high/low speed relay from this input. The third signal received from the front wiper switch is from the momentary windshield wash control switch. When the washer switch is not active the switch is open and the signal circuit is pulled to battery by the BCM. When the washer switch is active, the switch pulls the circuit low. The BCM controls the windshield wash and windshield wash activated wiper operation based on this input.

The BCM controls front wiper motor operation through two output signals and the monitoring of one input signal. The two outputs (one high side drive, one low side drive) are used to control two external wiper motor relays: front wiper motor on/off relay: which provides the wiper motor with battery power when it is activated by the high side drive signal (switched battery) from the BCM. When left deactivated, the normally closed contacts provide a ground to the wiper motor. Wiper high/low speed relay: when activated by a low side drive signal (ground) from the BCM, it switches the power supplied by the wiper motors on/off relay to the motors high speed input. When left deactivated, the normally closed contacts connect the power supplied by the wiper motors on/off relay to the motors low speed input. The input used by the BCM is from the park switch located in the wiper motor assembly. When the wiper blades are not in the park position, the wiper park switch is open and the circuit is pulled up to battery by the BCM. When the wiper blades are in the park position at the bottom of the glass, the wiper park switch closes to ground pulling the park signal circuit low.

To initiate low speed operation, the BCM only energizes the front wiper motor on/off relay. This allows battery voltage from the wiper fuse to be applied through the switched contacts of the wiper motor on/off relay, through the normally closed contacts of the wiper high/low speed relay, to the low speed control circuit of the windshield wiper motor.

Redundant high speed switch pass through. The BCM provides redundant circuitry which places battery power on its wiper motor on/off relay output with activation of its low assertion high speed wiper switch input. The BCM shall be capable of doing this, even if the module has lost all microprocessor control. This redundant circuit shall supply power while in the RUN and CRANK power modes. however; while in the CRANK power mode, the pass through shall only be active if the BCM is NOT in a computer operating properly state.

To initiate high speed operation, the BCM energizes both the front wiper motor on/off relay and the wiper high/low speed relay . This allows battery voltage from the wiper fuse to be applied through the switched contacts of the wiper motor on/off relay, through the switched contacts of the wiper high/low speed relay, to the high speed control circuit of the windshield wiper motor.

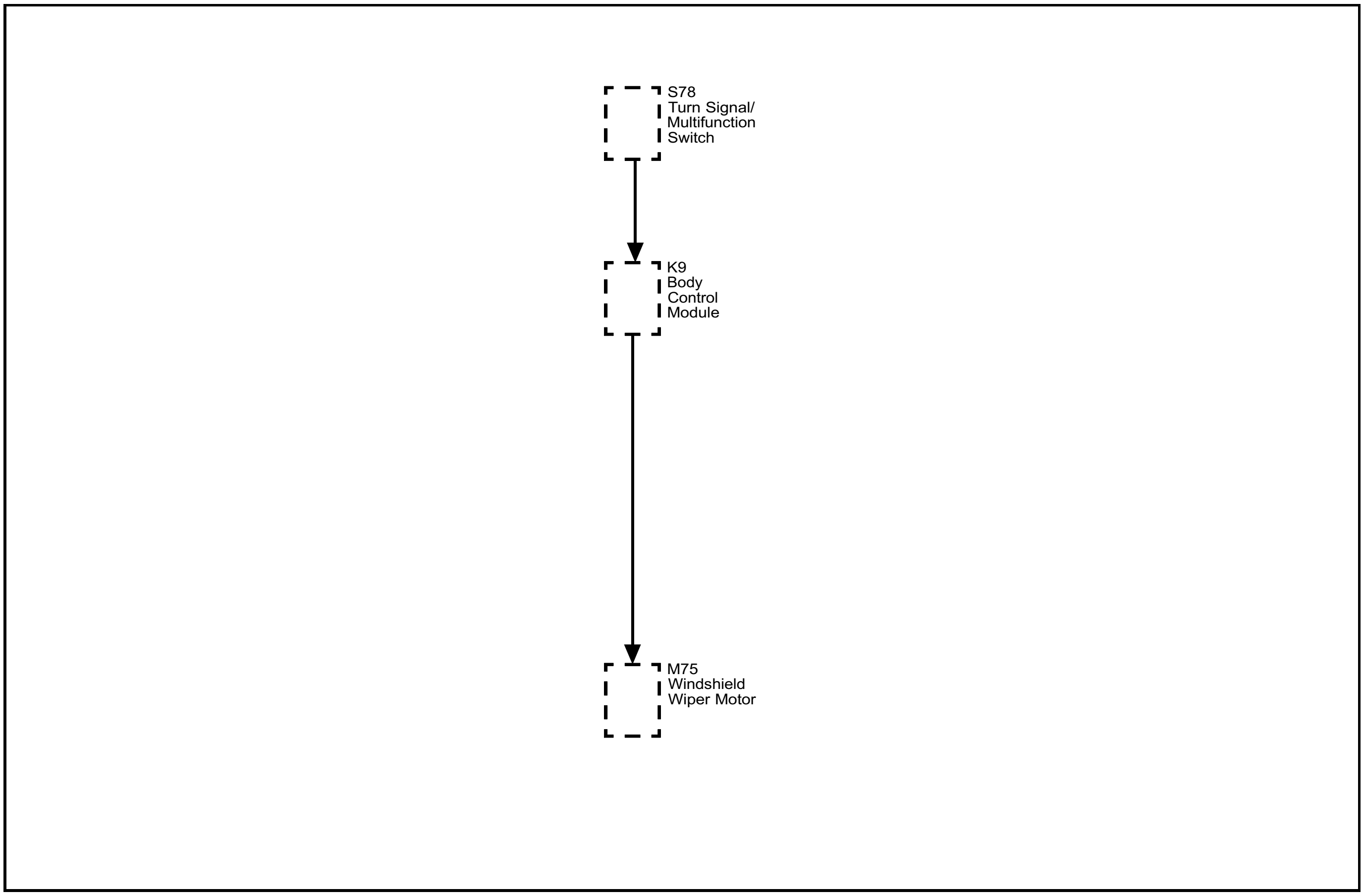
Parking the wiper motor. In order to perform an accurate read of the park switch and to ensure the wipers will come to rest while still in the park position, parking of the wipers only occurs while in a low speed wiper mode. This requires that if the wipers are performing a high speed wiper operation at the time they are required to park, the BCM shall transition the Wipers to low speed by deactivating the wiper high/low relay before attempting to park. In order to park the wipers, the BCM monitors the park circuit until the park switch pulls the park circuit to ground. At this time, the BCM will immediately deactivate the wiper motor on/off relay. The relay contacts will switch back to their normally closed position and will apply ground to the wiper motor power inputs through the normally closed contacts of the wiper high/low relay. This deactivates and dynamically brakes the wiper motor in the park position. When the wiper switch is turned to the OFF position while the wiper motor is somewhere in mid-cycle, the BCM will continue to operate the motor until the wipers reach the park position. If the BCM is running the wiper motor and does not see a state transition of the park switch after 8 s, the wipers will stop immediately when the wiper switch is turned to OFF. If the ignition is turned OFF while the wipers are in mid-cycle, the wipers will stop immediately, regardless of position. The BCM will park the wipers next time the ignition is turned ON.

The windshield wiper system MIST operation is identical to LOW speed operation, except that the MIST switch is a press and release type switch. When the wiper switch is moved to the MIST position and released, low speed wiper motor operation is started and will continue until 1 cycle is complete. If the wiper switch is moved to the MIST position and held, the wiper motor will operate in the LOW speed mode until the switch is released.

Windshield wiper intermittent operation is a low speed wiper motor function with a variable delay interval between the wiper motor cycles. The duration of the delay is controlled by the front wiper control switches intermittent 1 thru intermittent 5 settings. The wiper operation is as follows

1. The BCM will initiate a single wipe by activating its front wiper ON/OFF relay output.
2. At the completion of a single wipe, the BCM will park the wipers as described above.
3. The BCM will then pause the wipers in their park position for the time duration associated with intermittent delay switch setting.
4. When the delay time expires repeat Steps 1 and 3 until the system is turned off or taken out of intermittent mode. If the wiper switch is moved from a longer delay interval to a shorter delay interval, the BCM will command an immediate wipe cycle and reset the delay timer to the shorter delay interval.

Intermittent wiper operation may be vehicle speed sensitive. When enabled, the speed compensated intermittent feature causes the intermittent wiper delay intervals to become shorter as a function of increased speed. As vehicle speed is reduced the intervals will become closer to the predetermined



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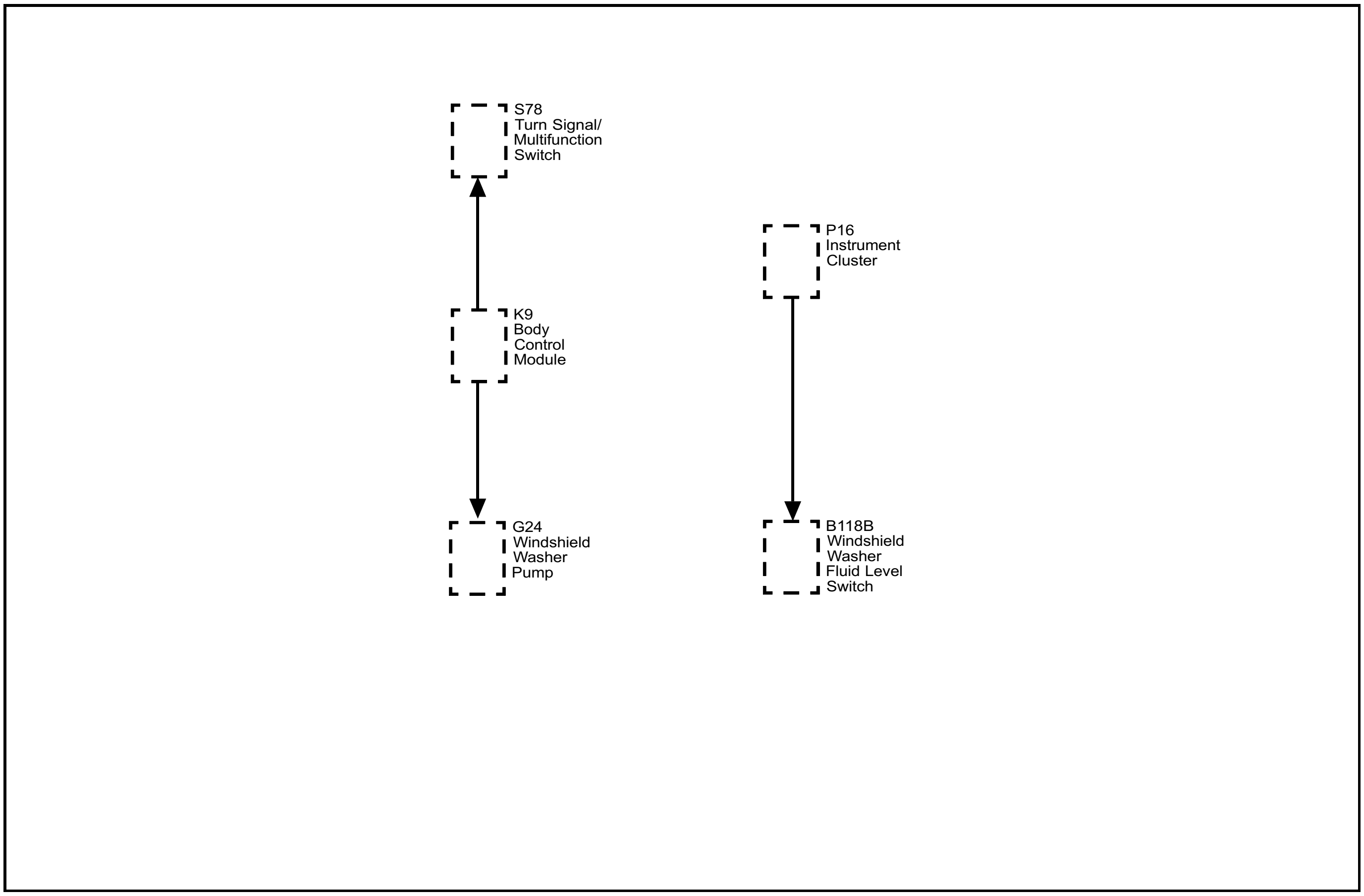
Windshield Washer System

The BCM controls the windshield wash operation and windshield wash activated wiper operation. When the BCM detects the activation of the momentary windshield wash control switch, it activates its washer pump relay drive output which supplies battery power to the coil of the washer pump relay. This energizes the relay, which switches battery power to the pump motor. The BCM will also activate continuous low speed windshield wipes as described above. Upon deactivation of the windshield wash control switch, the wiper control module (BCM) shall deactivate the wash motor and will also park the wiper motor as described above unless the drip wipe feature is enabled. On some vehicles the drip wipe feature will be enabled and cause the system to provide additional wiping of the windshield after the switch has been released and fluid is no longer being applied. The front wash feature may attempt to detect a stuck switch. When enabled, activation of the wash feature shall be limited to 10 seconds.

On vehicles with the Rear Wash feature a single reversing wash motor may be utilized for both the front and rear wash operation. In this system the wash motor is operated in one direction to spray fluid on the front windshield and then operated in the reverse direction to spray fluid on the rear window. The BCM Controls the reversing wash motor through two High Side Drive outputs. One controls the Front Wiper Motor Relay and one controls the Rear Wiper Relay.



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Washer Fluid Level Indicator

The check washer fluid message is controlled by the instrument panel using an input from the washer fluid level switch. The washer fluid level signal circuit is supplied ignition voltage through a resistor then monitored within the instrument cluster. The washer fluid level switch is normally open so the instrument cluster detects ignition voltage on the washer fluid level signal circuit whenever the washer fluid level is not low. When the washer fluid reaches the point where the driver should be informed that the washer fluid is low, the washer fluid level switch closes. When the washer fluid level switch is closed the washer fluid level signal circuit voltage is pulled low, and the instrument panel displays the Check Washer Fluid message on the driver information center. In order to prevent the Check Washer Fluid message from being displayed while sloshing is occurring in the washer fluid container, the instrument cluster is programed with a 1 min delay before changing states of the Check Washer Fluid message during an ignition cycle.

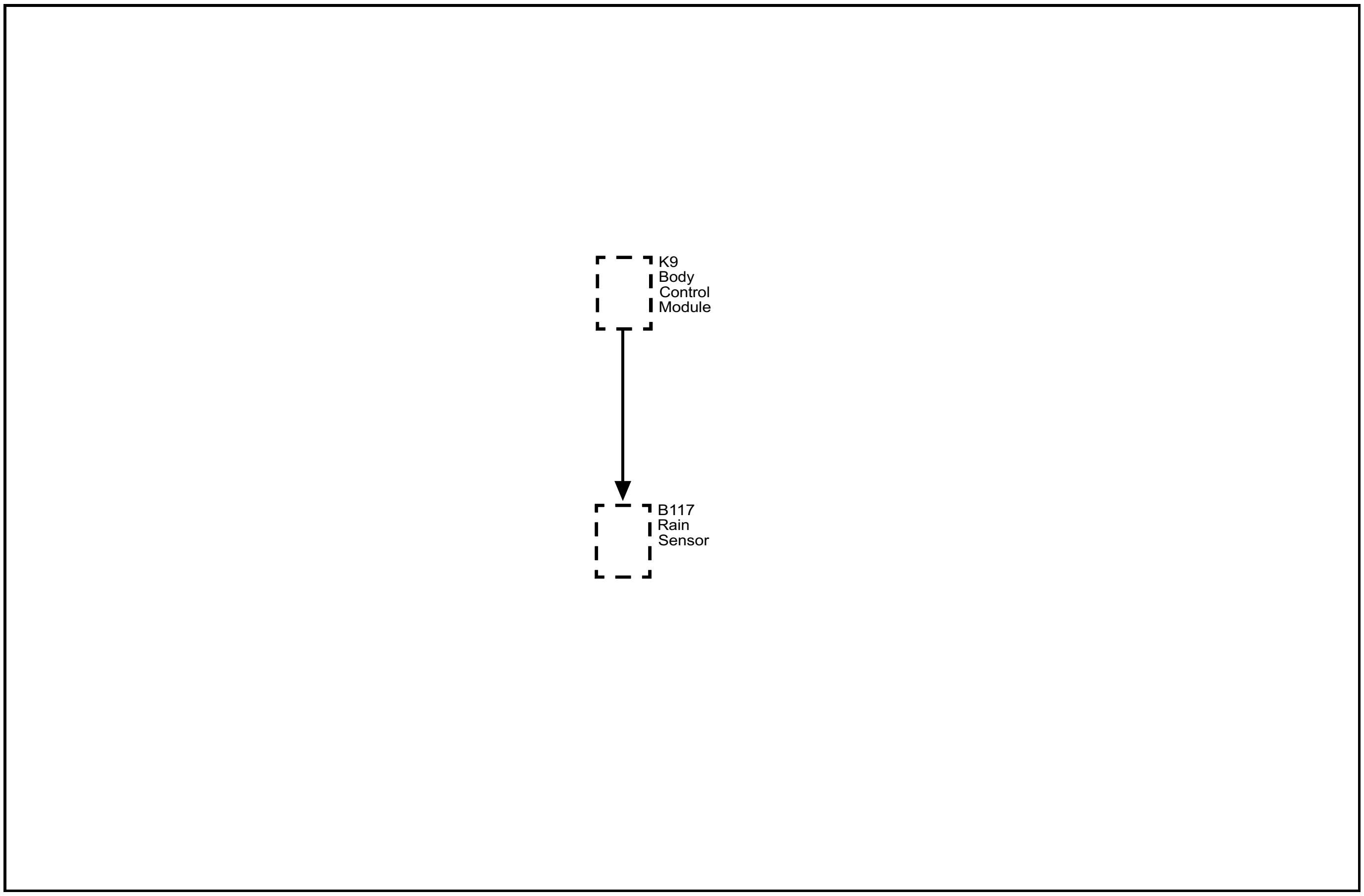
Rain Sensor Indicator

B+ voltage is supplied to the Rain Sensor. Whenever the ignition is ON, or accessory positions, the body control module (BCM), sends the turn signal/ multifunction switch status by using data communication. When a wipe cycle is needed, the Rain Sensor sends a data communication message to the BCM, requesting the wiper operation. The BCM commands the Windshield Wiper Motor wipe cycles. If at anytime a fault occurs between the Rain Sensor and BCM, the BCM will use the inputs from the turn signal/multifunction switch in the delay positions to operate the Windshield Wiper Motor at continuous variable delay intervals.

The system supports the Rainsense On/Off button. Press to turn the Rainsense On/Off. When turned on and the front is in one of the Rain sensor wipe sensitivity positions, the wipers can be adjusted for more or less sensitivity to moisture. When turned off, the wipers operate as timed intermittent wipers and can be adjusted for more or less frequent wipes.

If the ignition is in ON/RUN and the front band is in one of the sensitivity settings when auto is turned on or off, a message may display indicating if Rain sensor was turned on or off.

If the ignition is in ON/RUN and the front is not in one of the sensitivity settings when auto is turned on, a message may display indicating that the wiper band must be in one of the sensitivity settings for Rain sensor to operate.

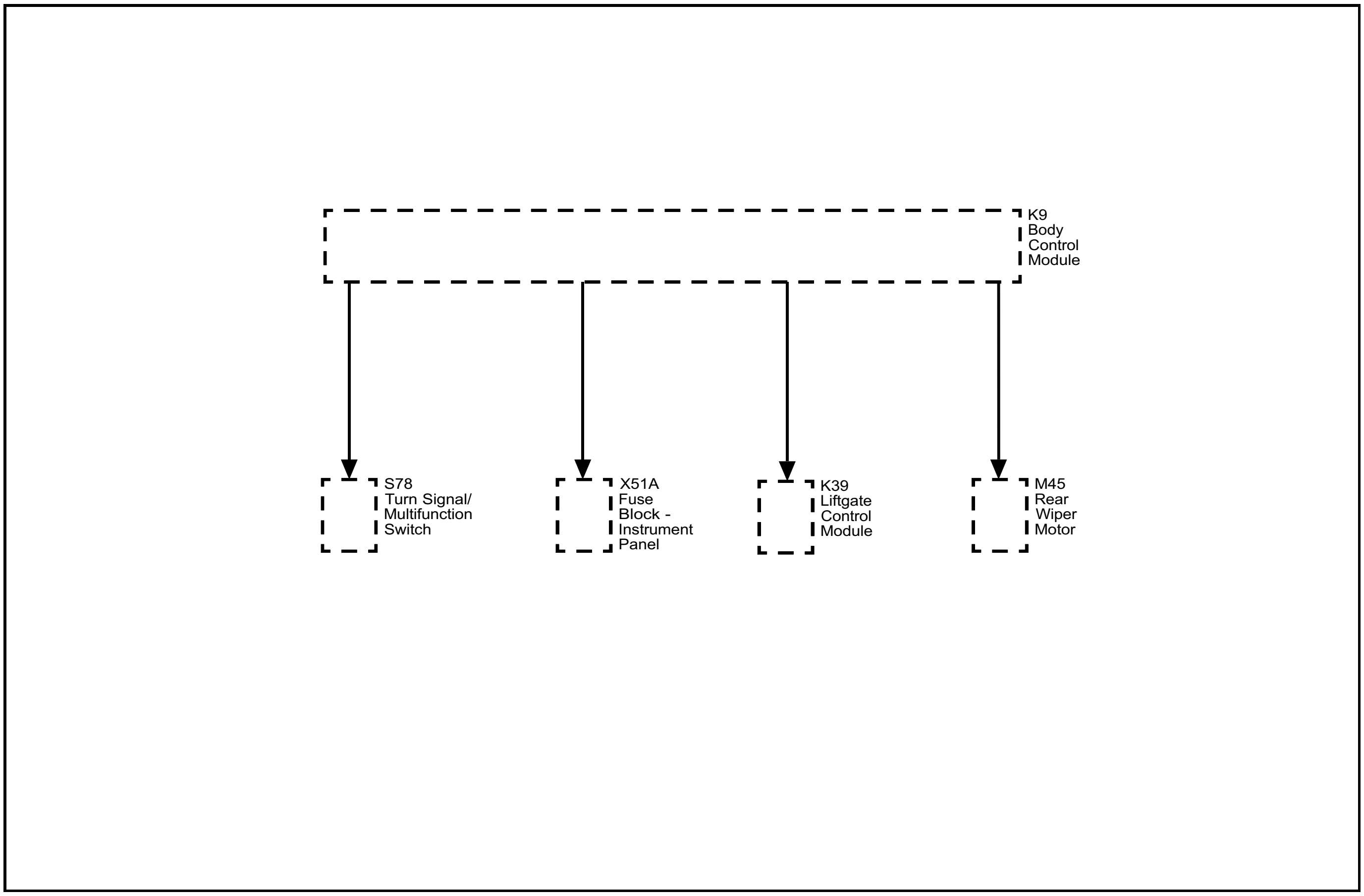


Rear Wiper System

On vehicles equipped with a Rear Wiper, the BCM determines of the Rear Wipe/Wash System Mode of Operation by monitoring the multiplexed output of the Rear Wipe/Wash Switch. The Rear Wipe Wash Switch uses a reference ground signal from the BCM. The BCM provides a switched Battery pull-up for the Rear Wiper/Washer Switch output signal it receives. All the BCM inputs are recognized as active when the Rear Wiper Switch provides a path to the referenced ground signal. The Rear Wiper/Washer signal received by the BCM is the result of 3 resistors in the Rear Wiper Switch configured as a resistor ladder network. This signal is connected to a BCM Analog to Digital Input which also provides a switched Battery pull-up for the circuit. Depending on the function selected (Low, Intermittent, Off, Wash), the Rear Wiper Control Switch connects a different set of resistors into the circuit resulting in different voltages appearing on the BCM A/D input. By monitoring this voltage, the BCM determines how to control the Rear Wiper Motor Relay and the Rear Washer Relay.

The BCM Controls the single speed Rear Wiper Motor by its Active High output to the external Rear Wiper Motor Relay. When the BCM activates its output and applies Battery to the coil of the relay, the relay energizes, allowing Battery voltage from the fuse to be applied through the switched contacts of the Rear Wiper Motor Relay to the Rear Wiper Motor's control input. The motor then operates continuously at low speed. The BCM does not control the parking of the Rear Wiper Motor, it is self parking. When the BCM deactivates its output, the contacts of the Rear Wiper Motor Relay switch back to ground which will be used by the wiper for Dynamic Braking. The Rear Wiper's internal park switch and circuitry will sustain motor operation until the wiper arm has returned to its Park position.

Rear Wiper Block Diagram

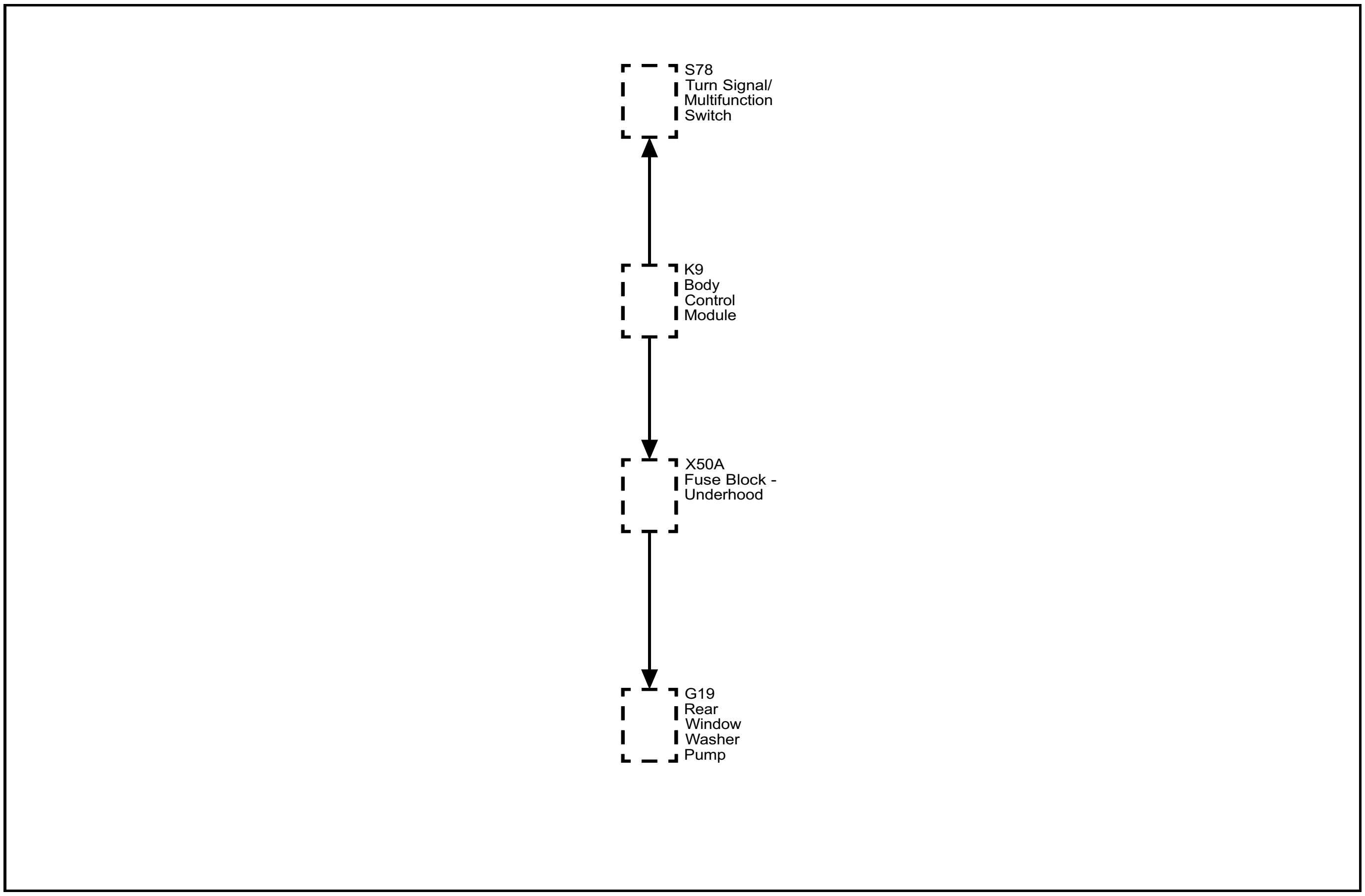

K9
Body
Control
Module
S78
Turn Signal/
Multifunction
Switch
X51A
Fuse
Block -
Instrument
Panel
K39
Liftgate
Control
Module
M45
Rear
Wiper
Motor

3520664

Rear Wash

When the Body Control Module detects that the Rear wiper/wash switch has activated the momentary Wash switch, it activates a High Side Drive output which supplies Battery to the coil of the Rear Washer Pump Relay. This energizes the Relay, which switches Battery Power to the Washer Pump Motor. The BCM will also activate continuous Low Speed Windshield Wipers as described above. The BCM software will attempt to detect a stuck Rear Wash Switch. A stuck Rear Wash Switch condition is detected if the Rear Wash Motor Relay Output has been continuously active for 10 seconds or more. Upon detecting this the BCM will fail soft the state of the Rear Wash Control to Inactive. This shall cause the System to perform as if the momentary Wash control had been released.

Rear Washer Block Diagram


S78
Turn Signal/
Multifunction
Switch
K9
Body
Control
Module
X50A
Fuse Block -
Underhood
G19
Rear
Window
Washer
Pump

3520665

Section 2

Brakes

Trailer Brake Controls 2-3
  Schematic and Routing Diagrams 2-3
    Trailer Brake Control Schematics 2-4
  Description and Operation 2-5
    Trailer Brake Controls Description and Operation 2-5

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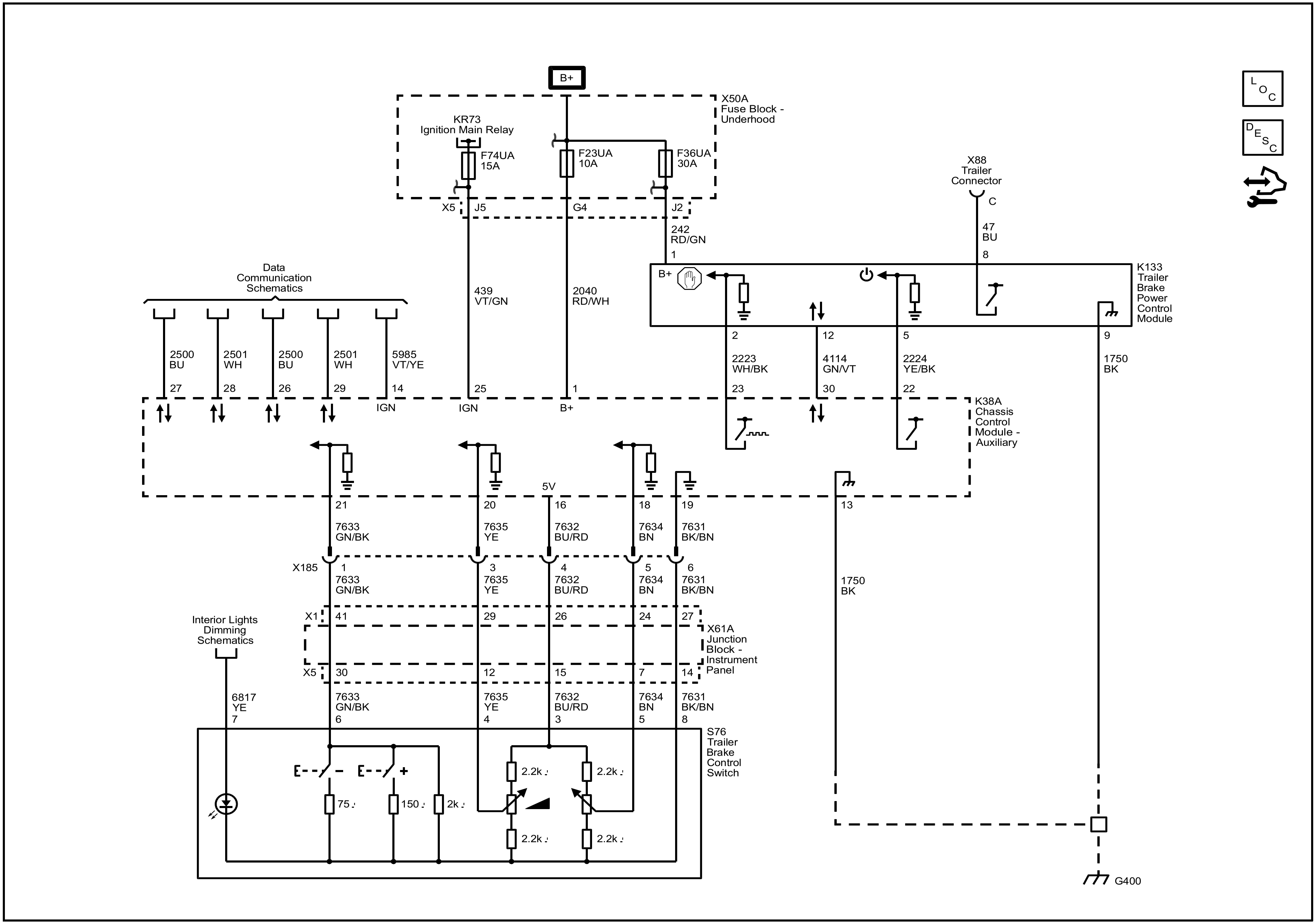
Trailer Brake Controls

Schematic and Routing Diagrams

Trailer Brake Control Schematics (Trailer Brake)


L O C
D E S C
B+
X50A
Fuse Block -
Underhood
KR73
Ignition Main Relay
F74UA
15A
F23UA
10A
F36UA
30A
X5
J5
G4
J2
242
RD/GN
1
X88
Trailer
Connector
C
47
BU
8
K133
Trailer
Brake
Power
Control
Module
B+
2
2223
WH/BK
12
4114
GN/VT
5
2224
YE/BK
9
1750
BK
Data
Communication
Schematics
2500
BU
27
2501
WH
28
2500
BU
26
2501
WH
29
5985
VT/YE
14
IGN
439
VT/GN
25
IGN
2040
RD/WH
1
B+
23
30
22
K38A
Chassis
Control
Module -
Auxiliary
5V
21
20
16
18
19
13
7633
GN/BK
7635
YE
7632
BU/RD
7634
BN
7631
BK/BN
X185
1
3
4
5
6
1750
BK
X1
41
29
26
24
27
X61A
Junction
Block -
Instrument
Panel
X5
30
12
15
7
14
Interior Lights
Dimming
Schematics
6817
YE
7
7633
GN/BK
6
7635
YE
4
7632
BU/RD
3
7634
BN
5
7631
BK/BN
8
S76
Trailer
Brake
Control
Switch
2.2k
2.2k
2.2k
2.2k
75
150
2k
+
G400
4689928

Description and Operation

Trailer Brake Controls Description and Operation

A trailer brake control system is used to control the amount of trailer braking power that is made available to trailers with brakes that require a controlled electrical output signal for actuation.

The power output to the trailer brakes is based on both the amount of braking being applied by the vehicle's brake system and on the type of trailer brakes detected.

The Trailer Brake Control System is compatible with two types of Trailer Brake Systems as listed below:

1. **Electric Brakes** A controlled electrical output signal energizes an electric-magnet/lever arm assembly that directly actuates the brake mechanism. The GDS name for this system is “Electromagnetic Brakes”.
2. **Electric Over Hydraulic Brakes** A controlled electrical output signal energizes a remote, trailer mounted hydraulic pump to build brake pressure in a closed hydraulic system on the trailer. The hydraulic fluid pressure actuates the brake mechanism. The GDS name for this system is “Electrohydraulic Brakes”.

Trailer Brake Output Versus Trailer Brake Type

- The trailer brake system characterizes the trailer brakes as either Electric Brake or Electric Over Hydraulic Brake automatically. This characterization may be affected by the number, type, and age of the trailer brake magnets, as well as any other devices installed on the trailer brakes (i.e. adapters for Electric Over Hydraulic brake functionality).
- The trailer brake system is fully operational with either characterization.
- Some features of the trailer brake system may be different based on the trailer brake type characterization. An example of this is at zero speed, where pressing the service brake pedal will produce output when the trailer brakes are characterized as Electric Brakes, but not when characterized as Electric Over Hydraulic Brakes.
- Sliding the manual trailer brake apply lever will produce output at zero speed for either characterization.

The user gain allows the driver to adjust the amount of trailer brake output to match the trailer load and road surface. The controller determines the desired trailer brake output and provides a control signal to the K133 Trailer Brake Power Control Module. The K133 Trailer Brake Power Control Module amplifies the signal and provides the output required to activate the Electric or Electric Over Hydraulic trailer brakes.

The trailer brake control can support up to a maximum of four axles with electric trailer brakes (8 brake magnets).

Connecting a trailer that is not compatible with the trailer brake system may result in reduced or complete loss of trailer braking. There may be an increase in stopping distance or trailer instability which could result in personal injury or damage to the vehicle, trailer or other property. An aftermarket controller may be available for use with trailers with surge or air trailer brake systems.

To determine the type of brakes on your trailer and the availability of controllers, check with your trailer manufacturer or dealer. Do not power up an aftermarket controller with the factory brake controller at the same time.

The vehicle is equipped with the following trailer braking components:

- K38A Chassis Control Module-Auxiliary
- K133 Trailer Brake Power Control Module
- S76 Trailer Brake Control Panel
- Manual Trailer Brake Apply
- Trailer Gain Adjustment
- Trailer Brake Driver Information Center Display

Chassis Control Module-Auxiliary

The K38A Chassis Control Module-Auxiliary is a serviceable GMLAN module. The chassis control module sends the low power commanded duty cycle signal to the trailer brake power control module. The trailer brake power control module amplifies the signal and provides an output that is required to drive the trailer brakes.

Trailer Brake Power Control Module

The K133 Trailer Brake Power Control Module (TBPM) is a solid state power switching module that supplies power to the trailer brakes at the input command duty cycle. Diagnostic messages are sent from the TBPM to the CCM on a dedicated LIN bus.

Trailer Brake Control Panel

The S76 Trailer Brake Control Panel contains the trailer gain and manual apply switches. It is located on the instrument panel to the left of the steering column. Refer to the instrument panel overview for more information on the location. The control panel and switches allows you to adjust the amount of output, referred to as trailer gain, available to the Electric or Electric Over Hydraulic brakes. It also allows you to manually apply the trailer brakes. The trailer brake control panel and switches are used along with the trailer brake display page on the driver information center to adjust and display power output to the trailer brakes.

Manual Trailer Brake Apply

The manual trailer brake apply lever is located on the S76 Trailer Brake Control Panel and is used to apply the trailer's Electric or Electric Over Hydraulic brakes independent of the vehicle's brakes. This lever is used in the trailer gain adjustment procedure to properly adjust the power output to the trailer brakes.

Sliding the lever to the left will apply only the trailer brakes. The power output to the trailer is indicated in the trailer brake display page in the Driver Information Center (DIC). If the vehicle's service brakes are applied while using the manual trailer brake apply lever, the trailer output power will be the greater of the two.

The trailer and the vehicle's brake lamps will come on when either the vehicle's braking or manual trailer brakes are applied.

Trailer Gain Adjustment

Trailer gain should be set for a specific trailering condition and must be adjusted any time vehicle loading, trailer loading or road surface conditions change. It is important to re-adjust trailer gain any time the tow vehicle, trailer loading or road surface conditions change or it you notice trailer wheel lock-up at any time while you are towing.

Setting the trailer gain properly is needed for the best trailer stopping performance. A trailer that is over-gained may result in locked trailer brakes. A trailer that is under-gained may result in not enough trailer braking. Both of these conditions may result in poor stopping and stability of the vehicle and trailer.

Trailer Gain Adjustment Procedure

- Adjust trailer gain in 0.5 step increments up to 10 gain setting by using the gain adjustment +/− buttons on the trailer brake control panel switch. Pressing and holding a gain button will cause the trailer gain to continuously increment or decrement. To turn the output to the trailer off, set the gain to zero.
- Drive the tow vehicle and trailer combination on a level surface representative of the towing condition and free of traffic at approximately 32–40 km/h (20–25 mph) and fully apply the manual trailer brake apply lever mechanism located on the trailer brake control panel switch. Adjusting the trailer gain at slower speeds may result in an incorrect gain setting.
- Adjust the trailer gain to just below the threshold of trailer wheel lock-up . Trailer wheel lock-up may not occur if towing a heavily loaded trailer. In this case, adjust the trailer gain to the highest allowable setting for the towing condition.

Hill Start Assist

The hill start assist allows the driver to launch the vehicle without a roll back when the driver is moving their foot from the brake pedal to the accelerator pedal. Refer to the hill start assist system in the anti-lock brake system description and operation document for more information.

Trailer Sway Control

The trailer sway control can detect the vehicle yaw instability, caused by an attached trailer. Refer to the trailer sway control system in the anti-lock brake system description and operation document for more information.

Driver Information Center Indicators and Messages

The following indicators are used to inform the driver of several different conditions:

Trailer Connected

This message will be briefly displayed when a trailer with Electric or Electric Over Hydraulic brakes is first connected to the vehicle. This message will automatically turn off in about ten seconds. The driver can also acknowledge this message before it automatically turns off.

Check Trailer Wiring

This message will be displayed if:

- The system detects that a trailer with Electric or Electric Over Hydraulic brakes is connected to the vehicle and then the trailer harness becomes disconnected from the vehicle.
- The trailer connection is recognized initially and then a disconnect occurs while the vehicle is stationary. This message will automatically turn off in about thirty seconds. This message will also turn off if the driver acknowledges this message off or if the trailer harness is reconnected.
- A disconnect of the trailer wiring harness occurs while the vehicle is moving. The Check Trailer Wiring message will continue until the ignition is turned off. The message will also turn off if the driver acknowledges this message off or it the trailer harness is re-connected or repairs are completed.
- There is an electrical fault in the wiring to the electric trailer brakes. The Check Trailer Wiring message will continue as long as there is an electrical fault in the trailer wiring. This message will also turn off if the driver acknowledges this message off.
- A poor connection at the 7–way connector may cause the Check Trailer Wiring message. Some aftermarket 7–way trailer side connector adapters or plugs may cause deformation or excessive wear to the vehicle's trailer terminals. It is recommended that you use an OEM or Pollak heavy duty 7–way trailer side connector adapter.

Service Trailer Brake System

This message will be displayed when there is a problem with the trailer brake control system. The trailer brake system may not be fully functional, or may not be functioning at all. The trailer brake system is designed to provide trailer braking, if possible, even when faults prevent it from being fully functional. This reduced functionality includes:

1. Providing trailer braking when the master cylinder pressure or brake pedal switch are faulted.
2. Providing trailer braking when hill start assist and trailer sway control communication is faulted.
3. Providing trailer braking when certain manual trailer brake apply lever faults are present.

These conditions should be repaired to allow the trailer brake system to be fully functional.

Trailer Gain and Output Display

This display menu can be accessed by scrolling through the DIC menu, or any time the trailer gain +/− button is depressed, or the manual trailer brake apply lever is actuated. The trailer output is displayed from 0 to full output and indicates the output power provided to the trailer brakes, relative to the gain setting.

After the electrical connection is made to a trailer equipped with electric brakes or electric over hydraulic brakes, the TRAILER CONNECTED message will be displayed momentarily on the DIC. The Trailer Brake Display Page can be selected on the DIC showing TRAILER GAIN and OUTPUT, after all vehicle related service messages are acknowledged by the driver.

Depending on which instrument panel cluster is in the vehicle, the DIC may display dashed lines, a greyed out display, or it may be blank signifying a disconnected trailer or a trailer brake fault condition.

BLANK

Section 3

Power and Signal Distribution

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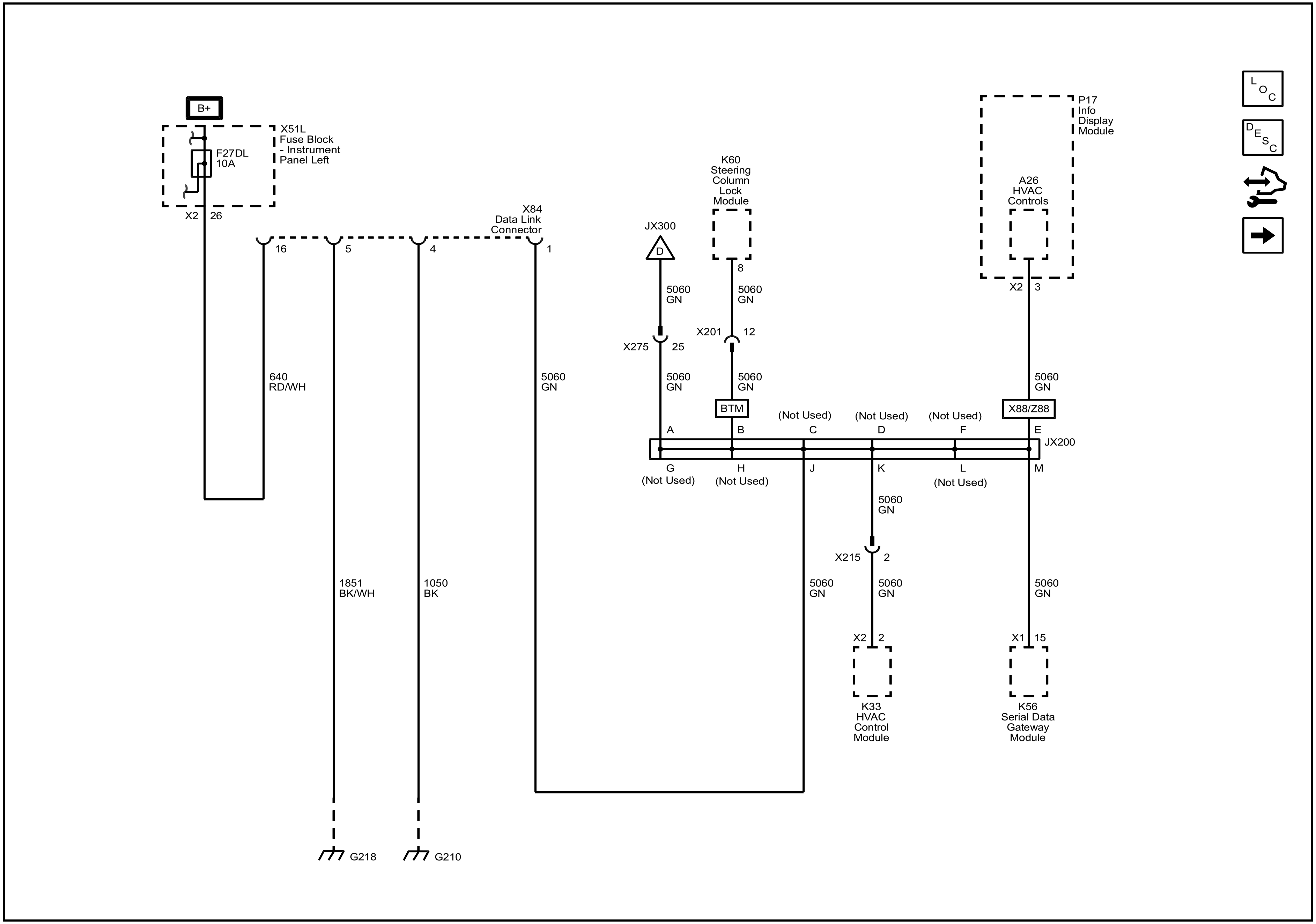
BLANK

Data Communications

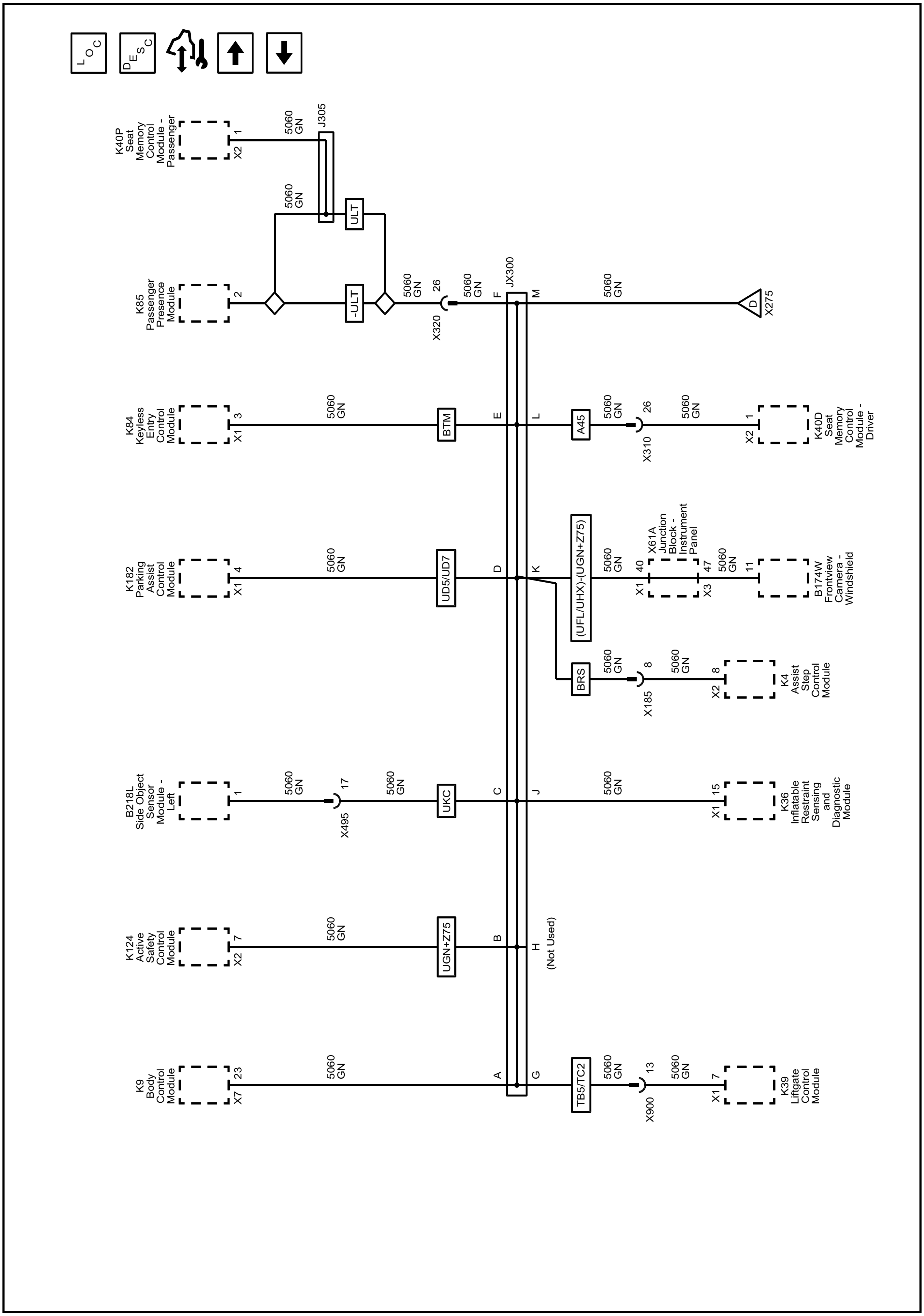
Schematic and Routing Diagrams

Data Communication Schematics (Data Link Power and Ground, and Low Speed GMLAN (1 of 2))



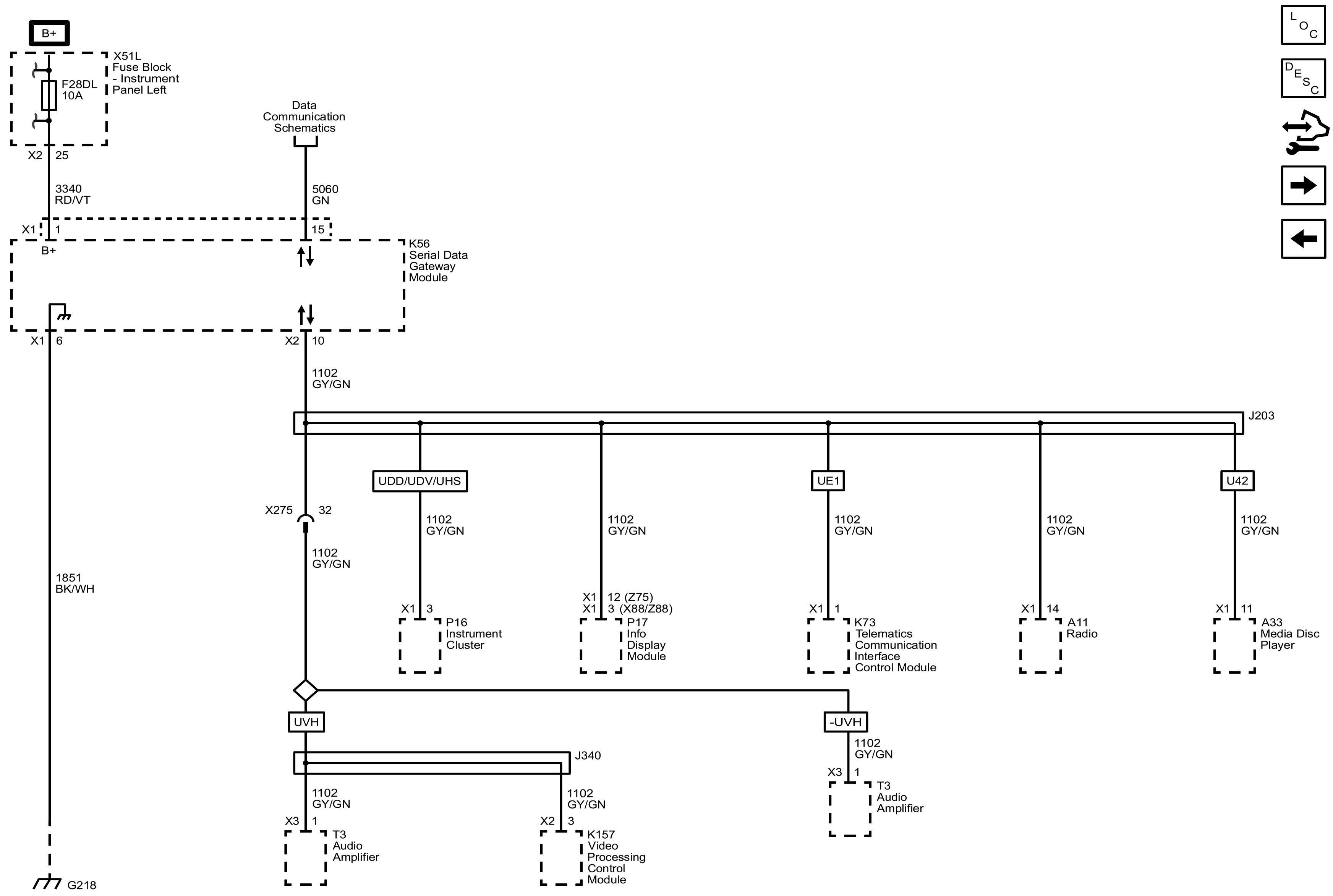
L O C
D E S C
B+
X51L
Fuse Block
- Instrument
Panel Left
F27DL
10A
X2
26
X84
Data Link
Connector
16
5
4
1
640
RD/WH
1851
BK/WH
1050
BK
5060
GN
G218
G210
JX300
D
5060
GN
X275
25
5060
GN
K60
Steering
Column
Lock
Module
8
5060
GN
X201
12
5060
GN
BTM
P17
Info
Display
Module
A26
HVAC
Controls
X2
3
5060
GN
X88/Z88
(Not Used)
(Not Used)
(Not Used)
A
B
C
D
F
E
JX200
G
(Not Used)
H
(Not Used)
J
K
L
(Not Used)
M
5060
GN
X215
2
5060
GN
5060
GN
5060
GN
X2
2
K33
HVAC
Control
Module
X1
15
K56
Serial Data
Gateway
Module
4690215

Data Communication Schematics (Data Link Power and Ground, and Low Speed GMLAN (2 of 2))


LOC
DESC
K40P Seat Memory Control Module - Passenger
X2 1
5060 GN
J305
5060 GN
ULT
K85 Passenger Presence Module
2
-ULT
5060 GN
26
X320
5060 GN
F
JX300
M
5060 GN
D
X275
K84 Keyless Entry Control Module
X1 3
5060 GN
BTM
E
L
A45
5060 GN
26
X310
5060 GN
X2 1
K40D Seat Memory Control Module - Driver
K182 Parking Assist Control Module
X1 4
5060 GN
UD5/UD7
D
K
(UFL/UHX)-(UGN+Z75)
5060 GN
X1 40
X61A Junction Block - Instrument Panel
X3 47
5060 GN
11
B174W Frontview Camera - Windshield
BRS
5060 GN
8
X185
5060 GN
X2 8
K4 Assist Step Control Module
B218L Side Object Sensor Module - Left
1
5060 GN
17
X495
5060 GN
UKC
C
J
5060 GN
X1 15
K36 Inflatable Restraint Sensing and Diagnostic Module
K124 Active Safety Control Module
X2 7
5060 GN
UGN+Z75
B
H (Not Used)
K9 Body Control Module
X7 23
5060 GN
A
G
TB5/TC2
5060 GN
13
X900
5060 GN
X1 7
K39 Liftgate Control Module

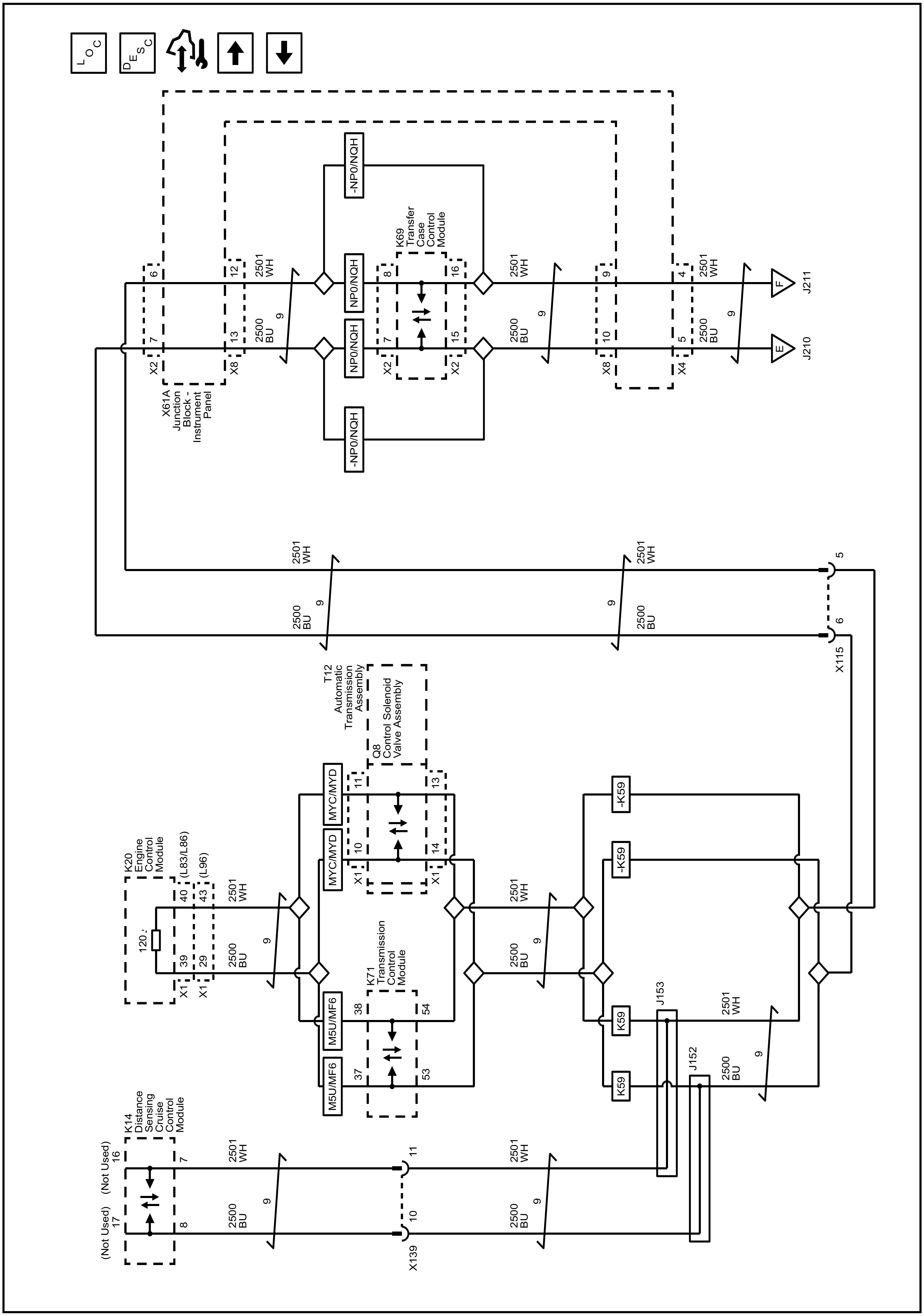
4690218

Data Communication Schematics (Gateway Isolated Low Speed GMLAN)

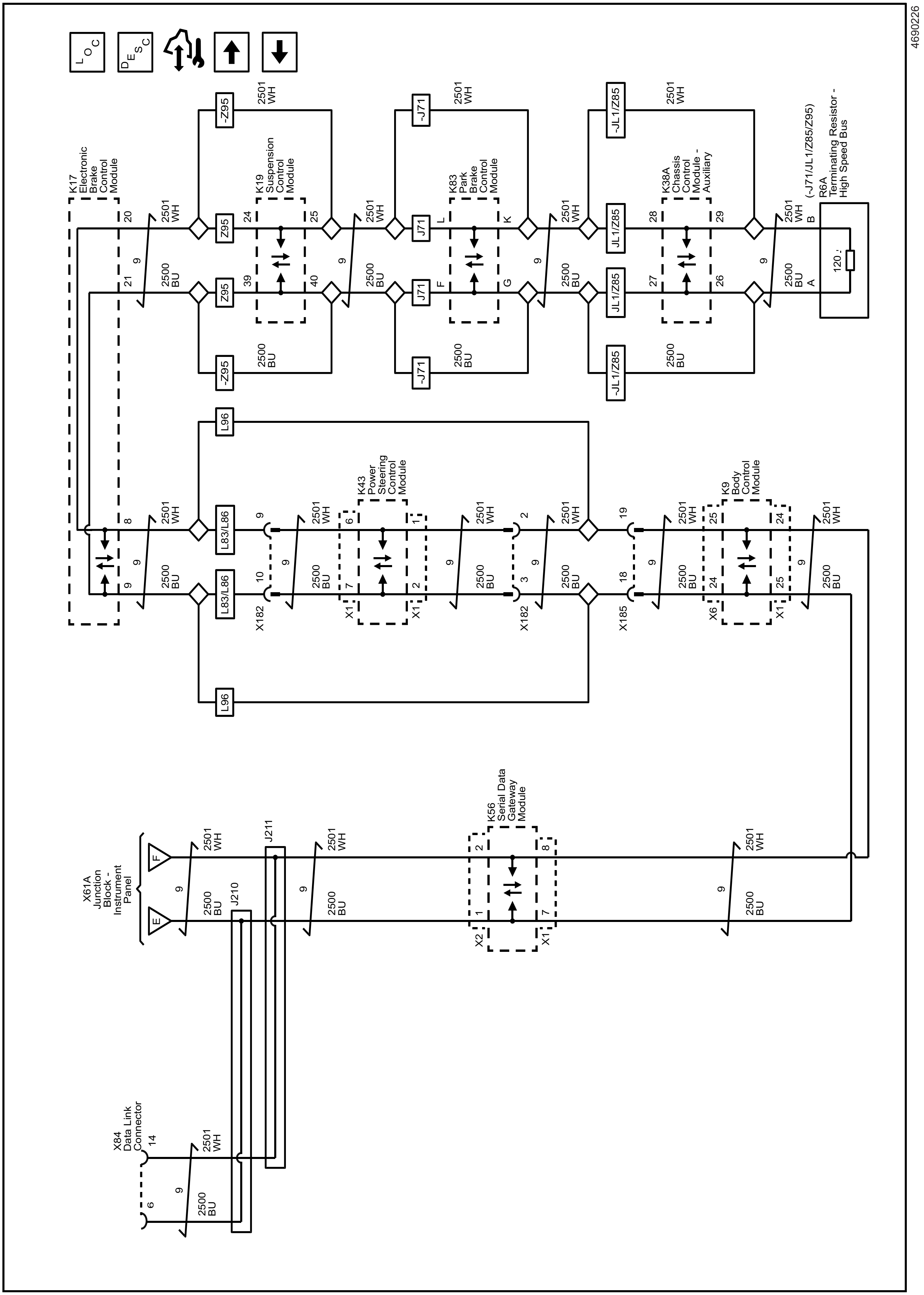

B+
X51L
Fuse Block
- Instrument
Panel Left
F28DL
10A
X2 25
3340
RD/VT
Data
Communication
Schematics
5060
GN
X1 1
B+
15
K56
Serial Data
Gateway
Module
X1 6
X2 10
1102
GY/GN
J203
UDD/UDV/UHS
UE1
U42
X275 32
1102
GY/GN
1851
BK/WH
X1 3
P16
Instrument
Cluster
X1 12 (Z75)
X1 3 (X88/Z88)
P17
Info
Display
Module
X1 1
K73
Telematics
Communication
Interface
Control Module
X1 14
A11
Radio
X1 11
A33
Media Disc
Player
UVH
-UVH
J340
X3 1
T3
Audio
Amplifier
X2 3
K157
Video
Processing
Control
Module
G218

4690219

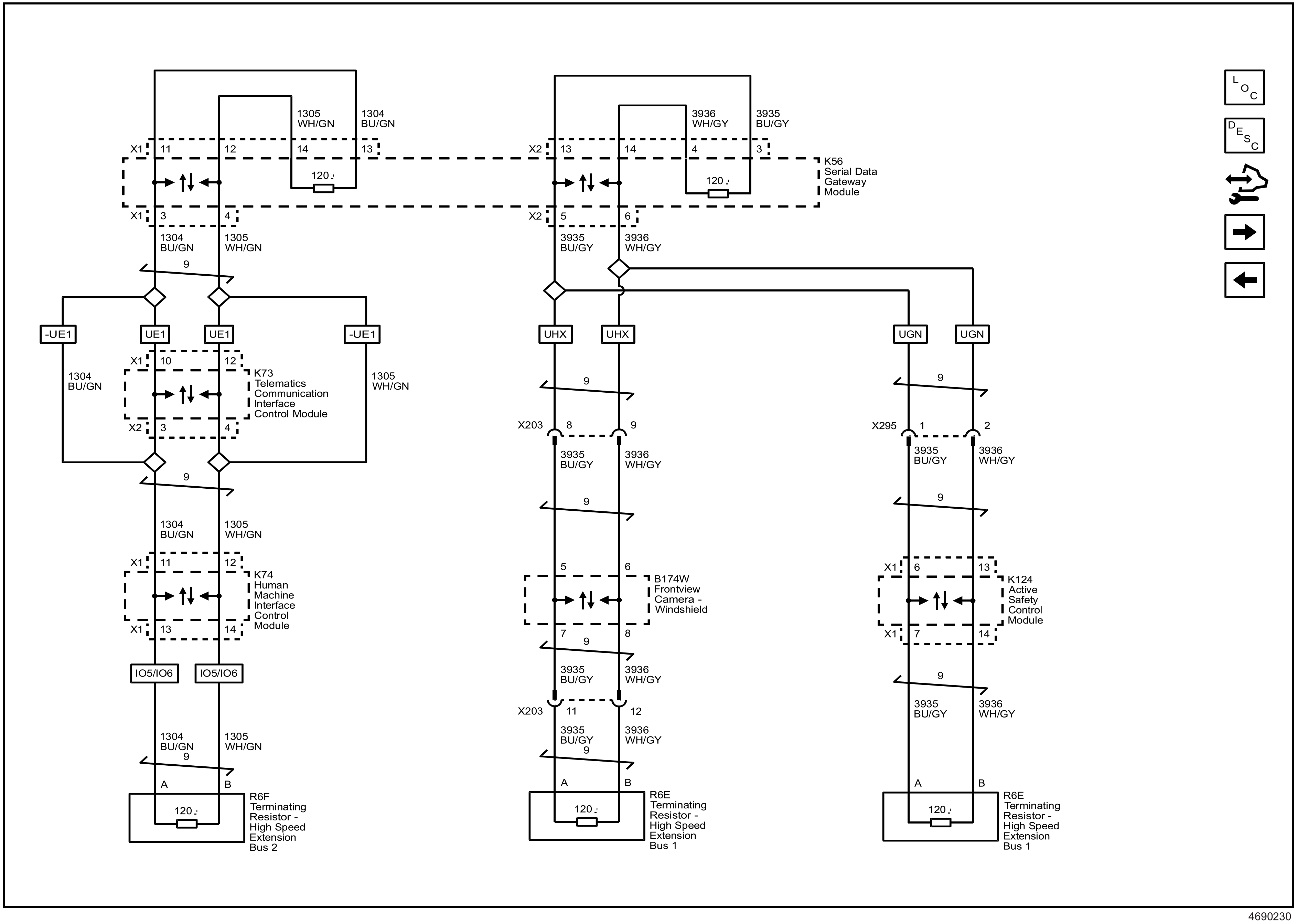
Data Communication Schematics (High Speed GMLAN (1 of 2))


4690223
LOC
DESC
X61A Junction Block - Instrument Panel
X2 7
X2 6
X8 13
X8 12
2500 BU
2501 WH
9
NP0/NQH
-NP0/NQH
K69 Transfer Case Control Module
X2 8
X2 7
X2 15
X2 16
X8 10
X8 9
X4 5
X4 4
E J210
F J211
X115
5
6
K20 Engine Control Module
120 Ω
X1 39
X1 40 (L83/L86)
X1 29
X1 43 (L96)
T12 Automatic Transmission Assembly
Q8 Control Solenoid Valve Assembly
X1 10
X1 11
X1 13
X1 14
MYC/MYD
K71 Transmission Control Module
37
38
53
54
M5U/MF6
K59
-K59
J153
J152
K14 Distance Sensing Cruise Control Module
(Not Used) 17
(Not Used) 16
7
8
X139
10
11

Data Communication Schematics (High Speed GMLAN (2 of 2))

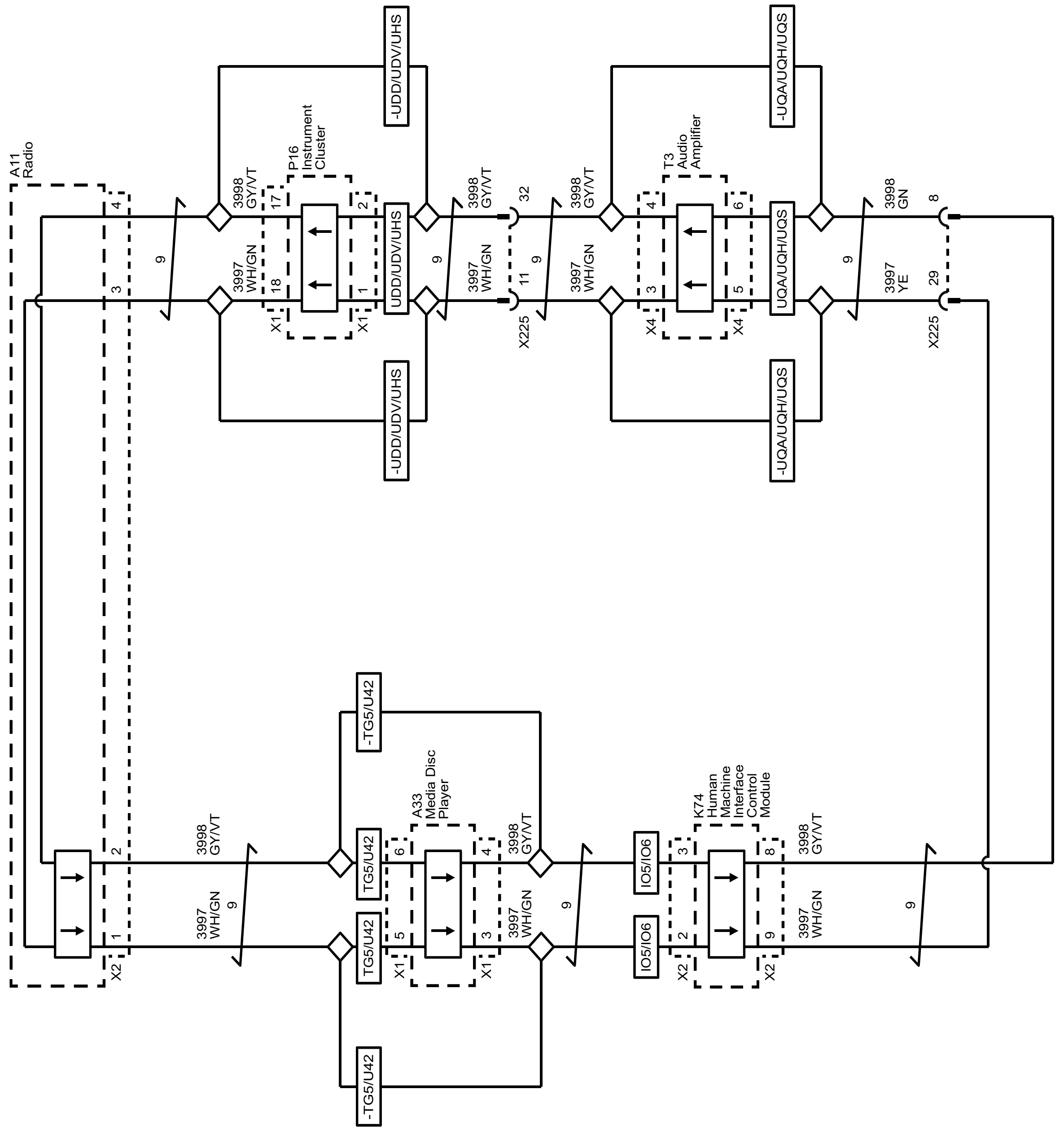

4690226
K17 Electronic Brake Control Module
K19 Suspension Control Module
K83 Park Brake Control Module
K38A Chassis Control Module - Auxiliary
R6A Terminating Resistor - High Speed Bus
(-J71/JL1/Z85/Z95)
120 Ω
K43 Power Steering Control Module
K9 Body Control Module
K56 Serial Data Gateway Module
X61A Junction Block - Instrument Panel
X84 Data Link Connector
J210
J211
X182
X185
X1
X2
X6
Z95
-Z95
J71
-J71
JL1/Z85
-JL1/Z85
L83/L86
L96
2501 WH
2500 BU
9
20
21
8
24
39
25
40
L
F
K
G
28
27
29
26
B
A
10
6
7
1
2
3
19
18
25
24
F
E
14

Data Communication Schematics (Gateway Expansion High Speed GMLAN)

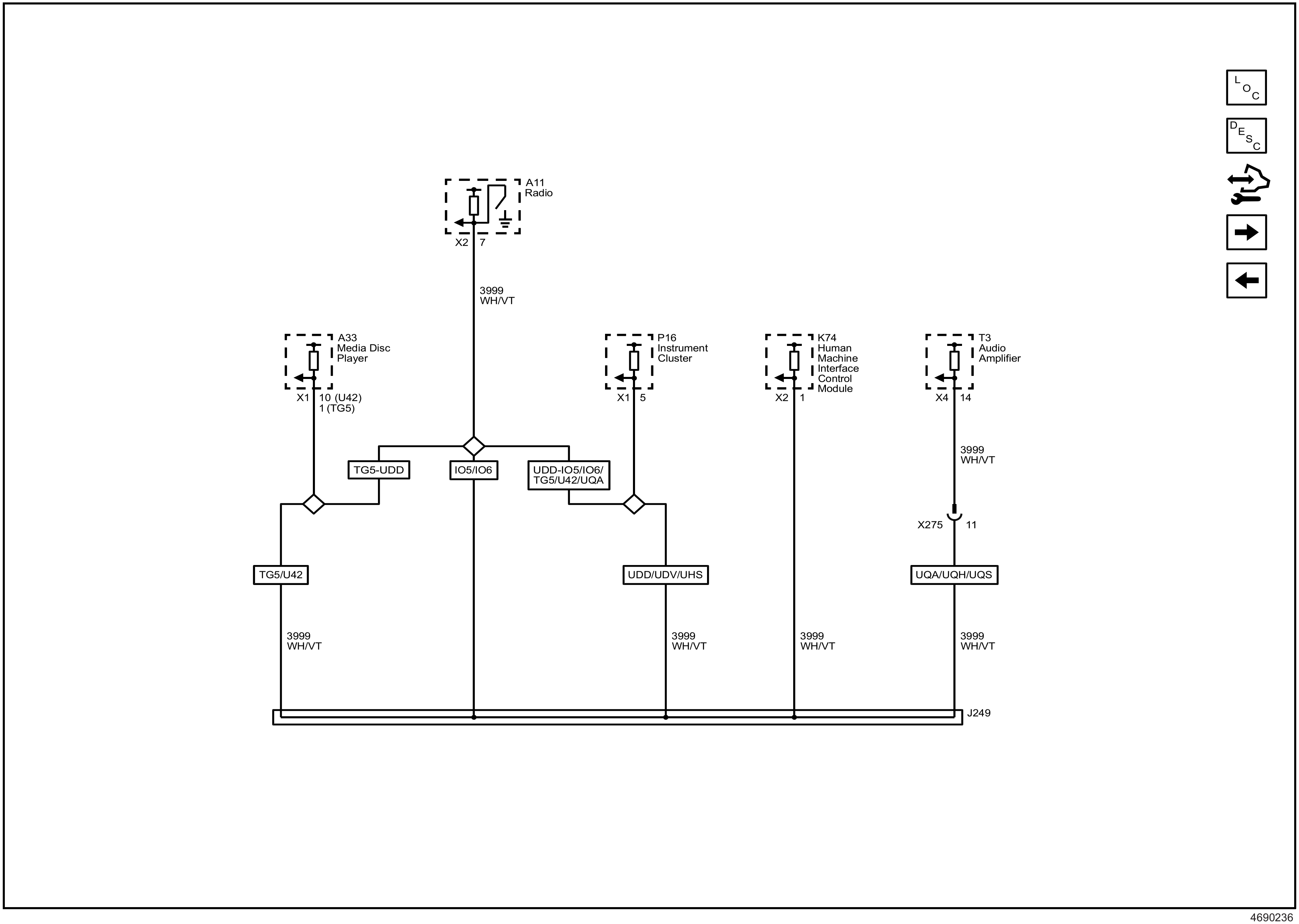

L O C
D E S C
K56 Serial Data Gateway Module
X1 11 12 14 13
X1 3 4
X2 13 14 4 3
X2 5 6
120 Ω
1305 WH/GN
1304 BU/GN
3936 WH/GY
3935 BU/GY
9
-UE1
UE1
UHX
UGN
K73 Telematics Communication Interface Control Module
X1 10 12
X2 3 4
K74 Human Machine Interface Control Module
X1 11 12
X1 13 14
IO5/IO6
A
B
R6F Terminating Resistor - High Speed Extension Bus 2
X203 8 9
X203 11 12
B174W Frontview Camera - Windshield
5 6
7 8
R6E Terminating Resistor - High Speed Extension Bus 1
X295 1 2
K124 Active Safety Control Module
X1 6 13
X1 7 14
4690230

Data Communication Schematics (MOST Communication Bus)

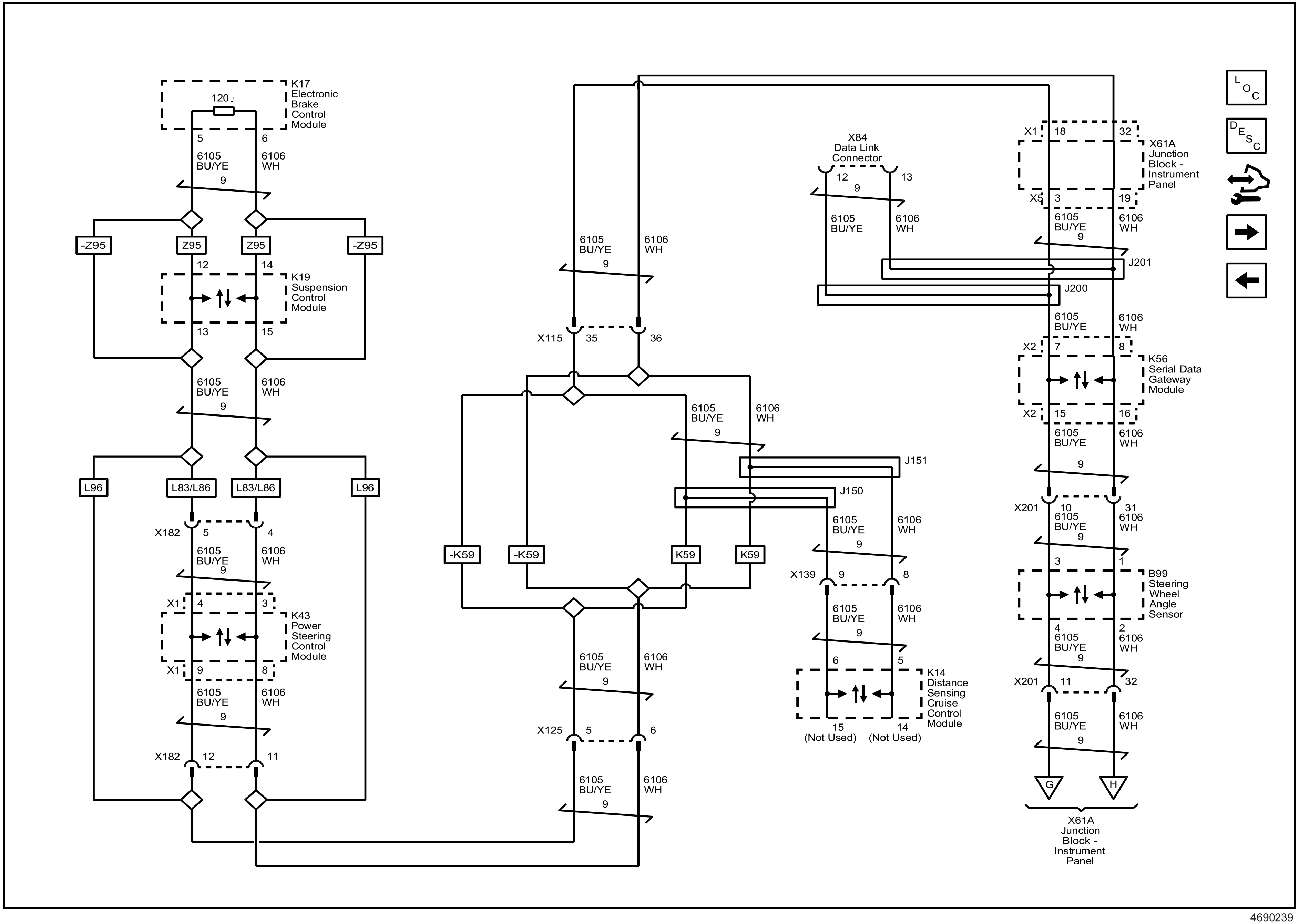
4690233


A11
Radio
X2
1
2
3
4
3997
WH/GN
3998
GY/VT
9
P16
Instrument
Cluster
X1
17
18
2
1
UDD/UDV/UHS
-UDD/UDV/UHS
-UDD/UDV/UHS
X225
32
11
T3
Audio
Amplifier
X4
4
3
6
5
UQA/UQH/UQS
-UQA/UQH/UQS
-UQA/UQH/UQS
3998
GN
3997
YE
8
29
A33
Media Disc
Player
X1
6
5
4
3
TG5/U42
TG5/U42
-TG5/U42
-TG5/U42
K74
Human
Machine
Interface
Control
Module
X2
3
2
8
9
IO5/IO6
IO5/IO6

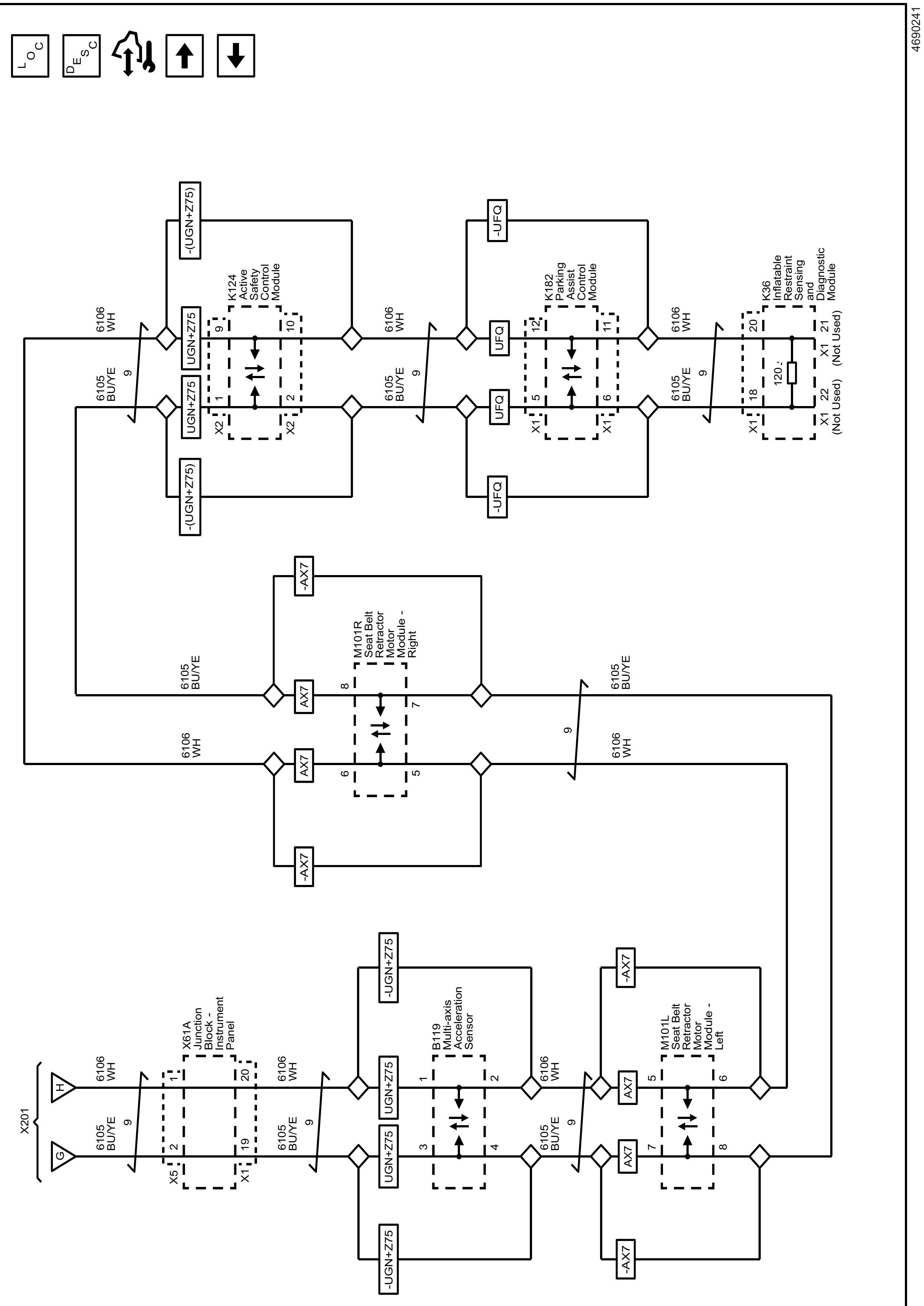
Data Communication Schematics (MOST Bus Communications Enable)


A11
Radio
X2 7
3999
WH/VT
A33
Media Disc
Player
X1 10 (U42)
1 (TG5)
P16
Instrument
Cluster
X1 5
K74
Human
Machine
Interface
Control
Module
X2 1
T3
Audio
Amplifier
X4 14
3999
WH/VT
X275 11
TG5-UDD
IO5/IO6
UDD-IO5/IO6/
TG5/U42/UQA
TG5/U42
UDD/UDV/UHS
UQA/UQH/UQS
3999
WH/VT
3999
WH/VT
3999
WH/VT
3999
WH/VT
J249
LOC
DESC
4690236

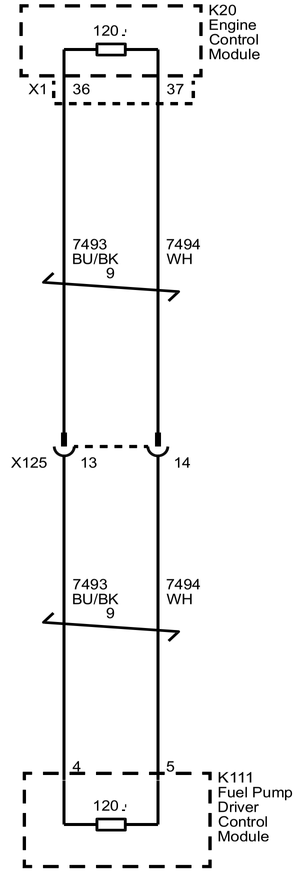
Data Communication Schematics (Chassis Expansion Bus (1 of 2))


LOC
DESC
K17 Electronic Brake Control Module
120 Ω
5
6
6105 BU/YE
6106 WH
9
-Z95
Z95
Z95
-Z95
12
14
K19 Suspension Control Module
13
15
L96
L83/L86
L83/L86
L96
X182
4
3
X1
K43 Power Steering Control Module
9
8
12
11
X115
35
36
-K59
-K59
K59
K59
J151
J150
X125
X84 Data Link Connector
X139
K14 Distance Sensing Cruise Control Module
15 (Not Used)
14 (Not Used)
X1
18
32
X61A Junction Block - Instrument Panel
X5
19
J201
J200
X2
7
K56 Serial Data Gateway Module
16
X201
10
31
1
B99 Steering Wheel Angle Sensor
2
G
H
4690239

Data Communication Schematics (Chassis Expansion Bus (2 of 2))

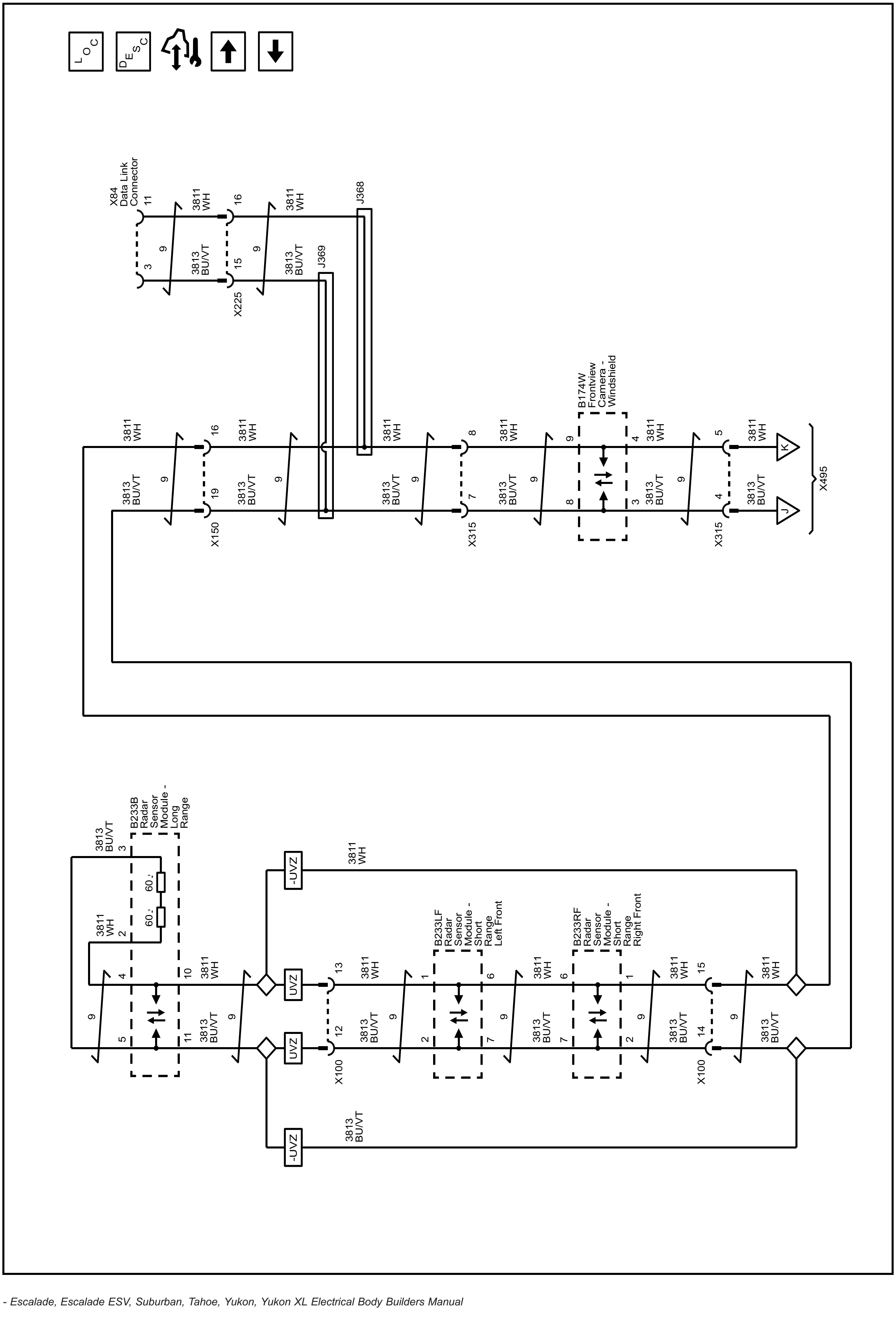

4690241
X201
H
G
6106 WH
6105 BU/YE
9
X61A Junction Block - Instrument Panel
X5
X1
1
2
20
19
B119 Multi-axis Acceleration Sensor
UGN+Z75
-UGN+Z75
3
4
M101L Seat Belt Retractor Motor Module - Left
AX7
-AX7
5
6
7
8
M101R Seat Belt Retractor Motor Module - Right
K124 Active Safety Control Module
-(UGN+Z75)
X2
9
10
K182 Parking Assist Control Module
UFQ
-UFQ
12
11
K36 Inflatable Restraint Sensing and Diagnostic Module
18
20
21
22
120 Ω
(Not Used)

Data Communication Schematics (Powertrain Expansion Bus (L83/L86))

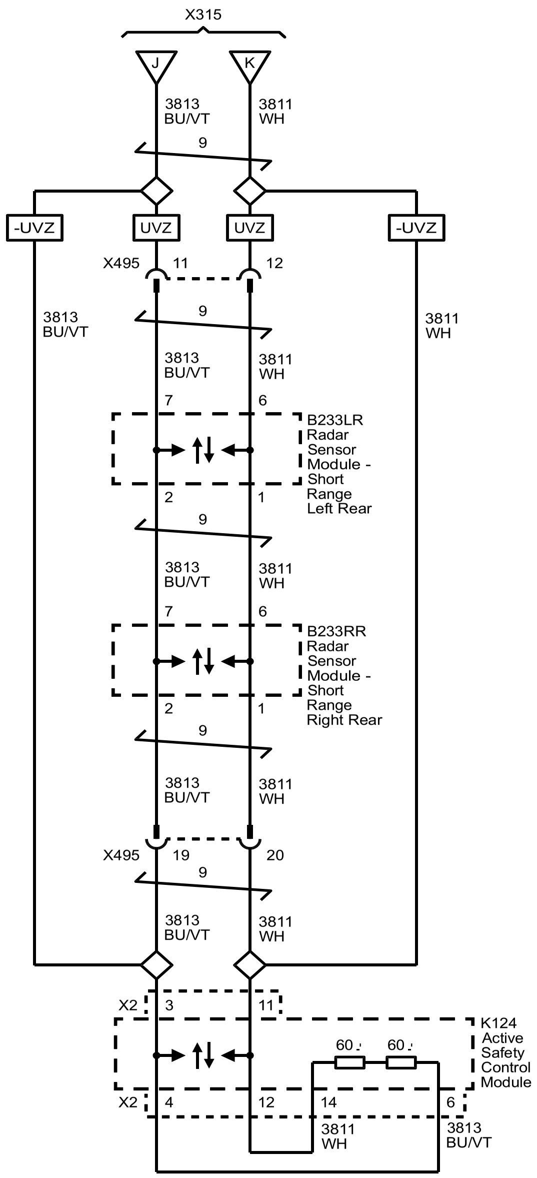

K20
Engine
Control
Module
120 Ω
X1
36
37
7493
BU/BK
9
7494
WH
X125
13
14
7493
BU/BK
9
7494
WH
4
5
K111
Fuel Pump
Driver
Control
Module
120 Ω

4690246

Data Communication Schematics (Object Detection Bus (UGN+Z75) (1 of 2))

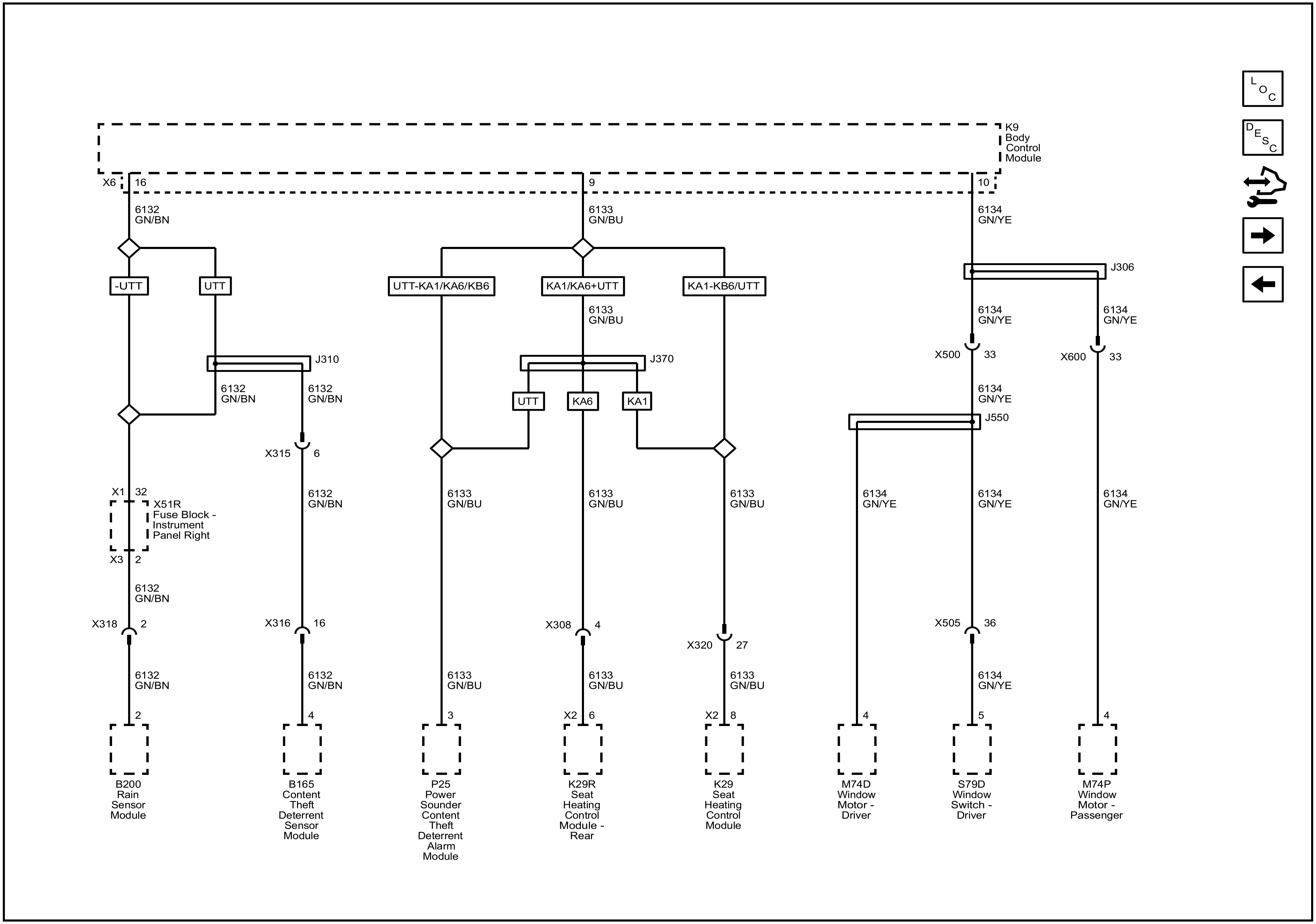

4690250
L O C
D E S C
X84 Data Link Connector
11
3
3811 WH
3813 BU/VT
9
16
15
X225
J368
J369
16
19
X150
8
7
X315
B174W Frontview Camera - Windshield
9
8
4
3
5
4
X315
K
J
X495
B233B Radar Sensor Module - Long Range
3
2
60 Ω
60 Ω
4
5
10
11
-UVZ
UVZ
UVZ
-UVZ
13
12
X100
B233LF Radar Sensor Module - Short Range Left Front
1
2
6
7
B233RF Radar Sensor Module - Short Range Right Front
6
7
1
2
15
14
X100

Data Communication Schematics (Object Detection Bus (UGN+Z75) (2 of 2))


X315
J
K
3813
BU/VT
3811
WH
9
-UVZ
UVZ
UVZ
-UVZ
X495
11
12
3813
BU/VT
3811
WH
7
6
B233LR
Radar
Sensor
Module -
Short
Range
Left Rear
2
1
B233RR
Radar
Sensor
Module -
Short
Range
Right Rear
X495
19
20
X2
3
11
K124
Active
Safety
Control
Module
60 Ω
60 Ω
X2
4
12
14
6

4690254

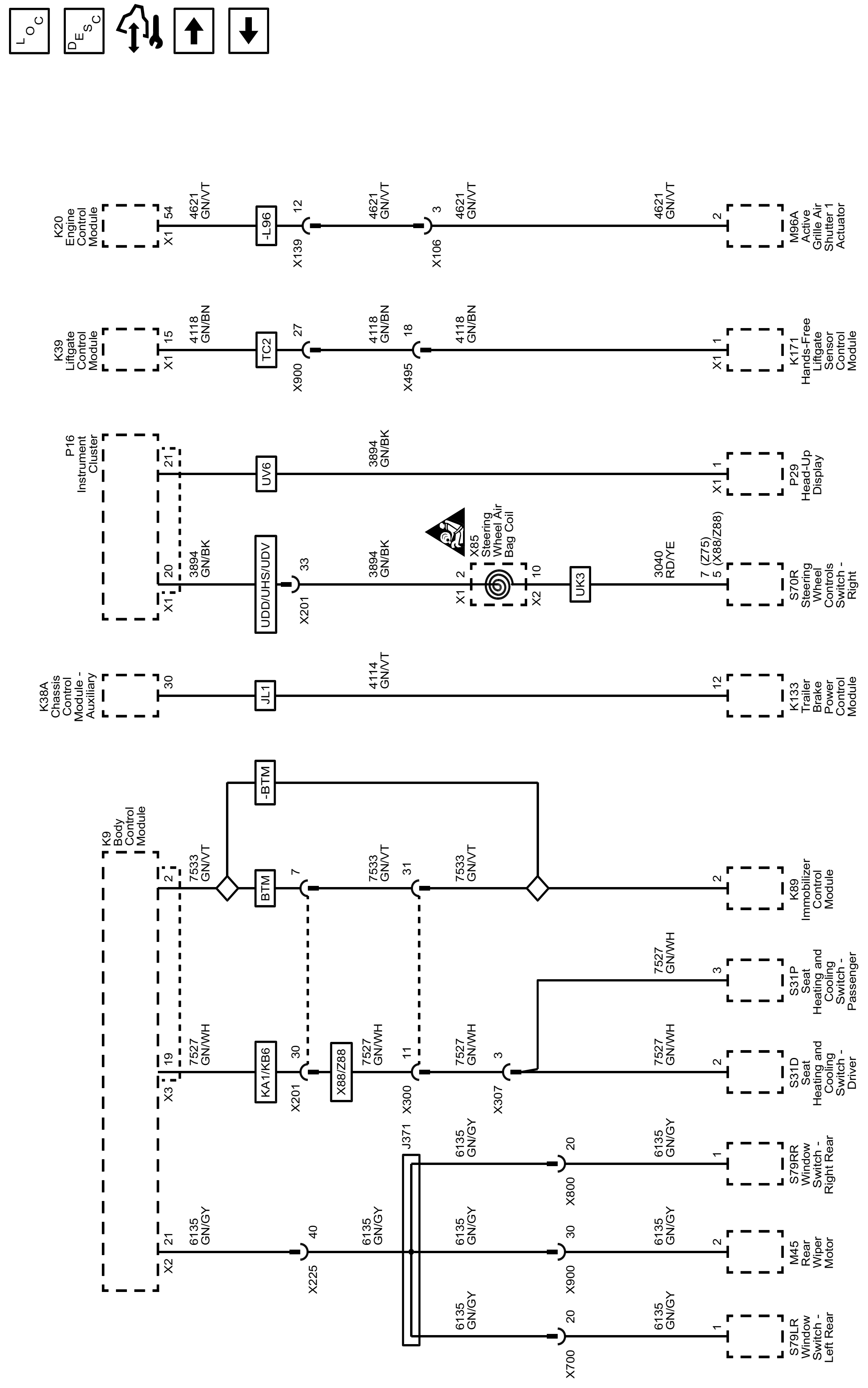
Data Communication Schematics (Linear Interconnect Network (LIN) Busses (1 of 3))



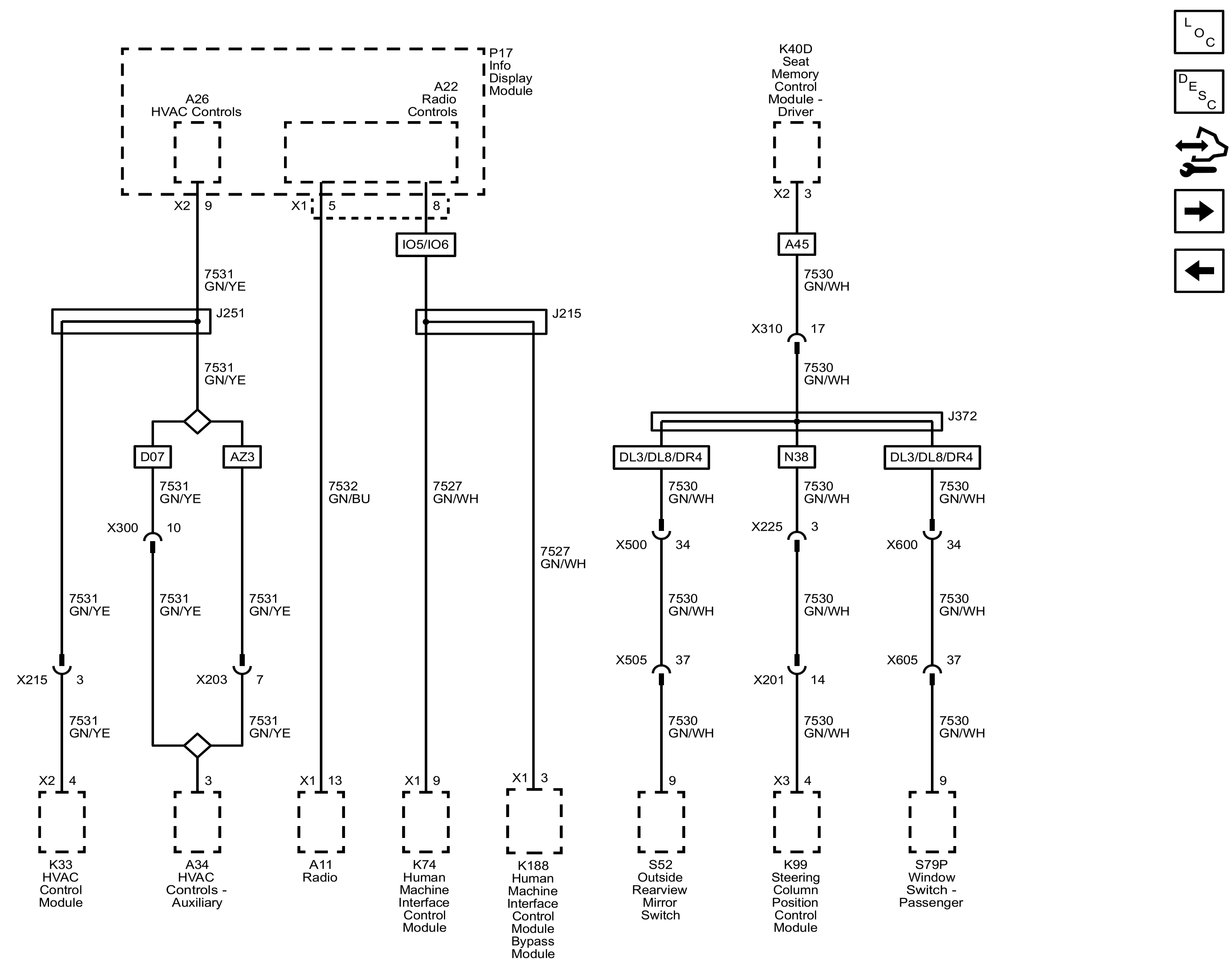
L O C
D E S C
K9 Body Control Module
X6 16
9
10
6132 GN/BN
6133 GN/BU
6134 GN/YE
-UTT
UTT
UTT-KA1/KA6/KB6
KA1/KA6+UTT
KA1-KB6/UTT
J306
J310
J370
J550
UTT
KA6
KA1
X500 33
X600 33
X315 6
X1 32
X51R Fuse Block - Instrument Panel Right
X3 2
X318 2
X316 16
X308 4
X320 27
X505 36
2
4
3
X2 6
X2 8
4
5
4
B200 Rain Sensor Module
B165 Content Theft Deterrent Sensor Module
P25 Power Sounder Content Theft Deterrent Alarm Module
K29R Seat Heating Control Module - Rear
K29 Seat Heating Control Module
M74D Window Motor - Driver
S79D Window Switch - Driver
M74P Window Motor - Passenger

4690257

Data Communication Schematics (Linear Interconnect Network (LIN) Busses (2 of 3))

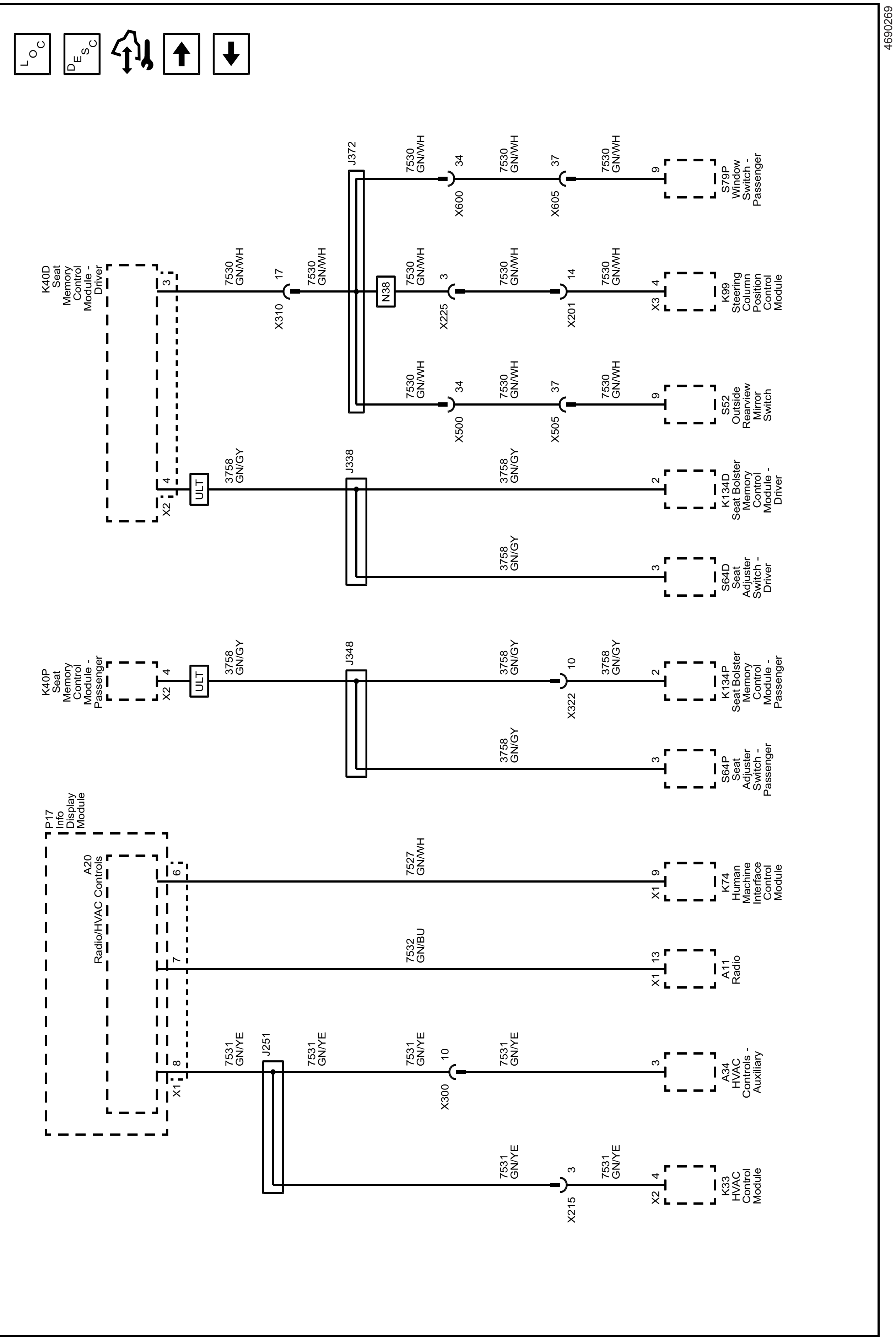

4690260
LOC
DESC
K20 Engine Control Module
X1 54
4621 GN/VT
-L96
X139 12
X106 3
2
M96A Active Grille Air Shutter 1 Actuator
K39 Liftgate Control Module
X1 15
4118 GN/BN
TC2
X900 27
X495 18
X1 1
K171 Hands-Free Liftgate Sensor Control Module
P16 Instrument Cluster
21
3894 GN/BK
UV6
X1 1
P29 Head-Up Display
X1 20
UDD/UHS/UDV
X201 33
X85 Steering Wheel Air Bag Coil
X1 2
X2 10
UK3
3040 RD/YE
7 (Z75)
5 (X88/Z88)
S70R Steering Wheel Controls Switch - Right
K38A Chassis Control Module - Auxiliary
30
JL1
4114 GN/VT
12
K133 Trailer Brake Power Control Module
K9 Body Control Module
-BTM
2
7533 GN/VT
BTM
7
31
K89 Immobilizer Control Module
7527 GN/WH
3
S31P Seat Heating and Cooling Switch - Passenger
X3 19
KA1/KB6
X201 30
X88/Z88
X300 11
X307 3
S31D Seat Heating and Cooling Switch - Driver
J371
6135 GN/GY
X800 20
1
S79RR Window Switch - Right Rear
X2 21
X225 40
X900 30
M45 Rear Wiper Motor
X700 20
S79LR Window Switch - Left Rear

Data Communication Schematics (Linear Interconnect Network (LIN) Busses (3 of 3) (X88 or Z88))

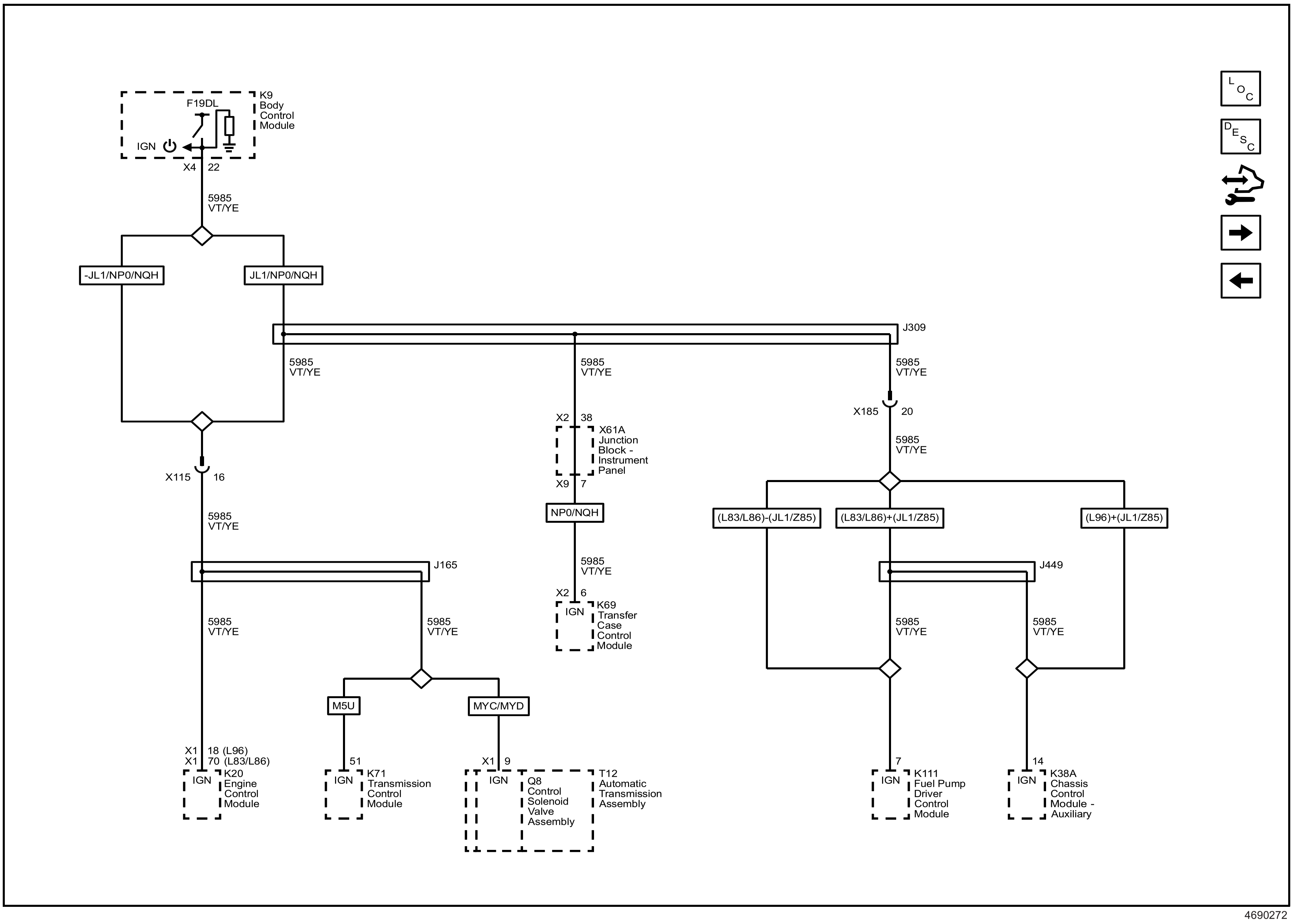

P17
Info
Display
Module
A26
HVAC Controls
A22
Radio
Controls
K40D
Seat
Memory
Control
Module -
Driver
X2 9
X1 5
8
X2 3
IO5/IO6
A45
7531
GN/YE
7530
GN/WH
J251
J215
X310 17
J372
D07
AZ3
DL3/DL8/DR4
N38
DL3/DL8/DR4
7532
GN/BU
7527
GN/WH
X300 10
X500 34
X225 3
X600 34
X505 37
X201 14
X605 37
X215 3
X203 7
X2 4
3
X1 13
X1 9
X1 3
9
X3 4
9
K33
HVAC
Control
Module
A34
HVAC
Controls -
Auxiliary
A11
Radio
K74
Human
Machine
Interface
Control
Module
K188
Human
Machine
Interface
Control
Module
Bypass
Module
S52
Outside
Rearview
Mirror
Switch
K99
Steering
Column
Position
Control
Module
S79P
Window
Switch -
Passenger

4690264

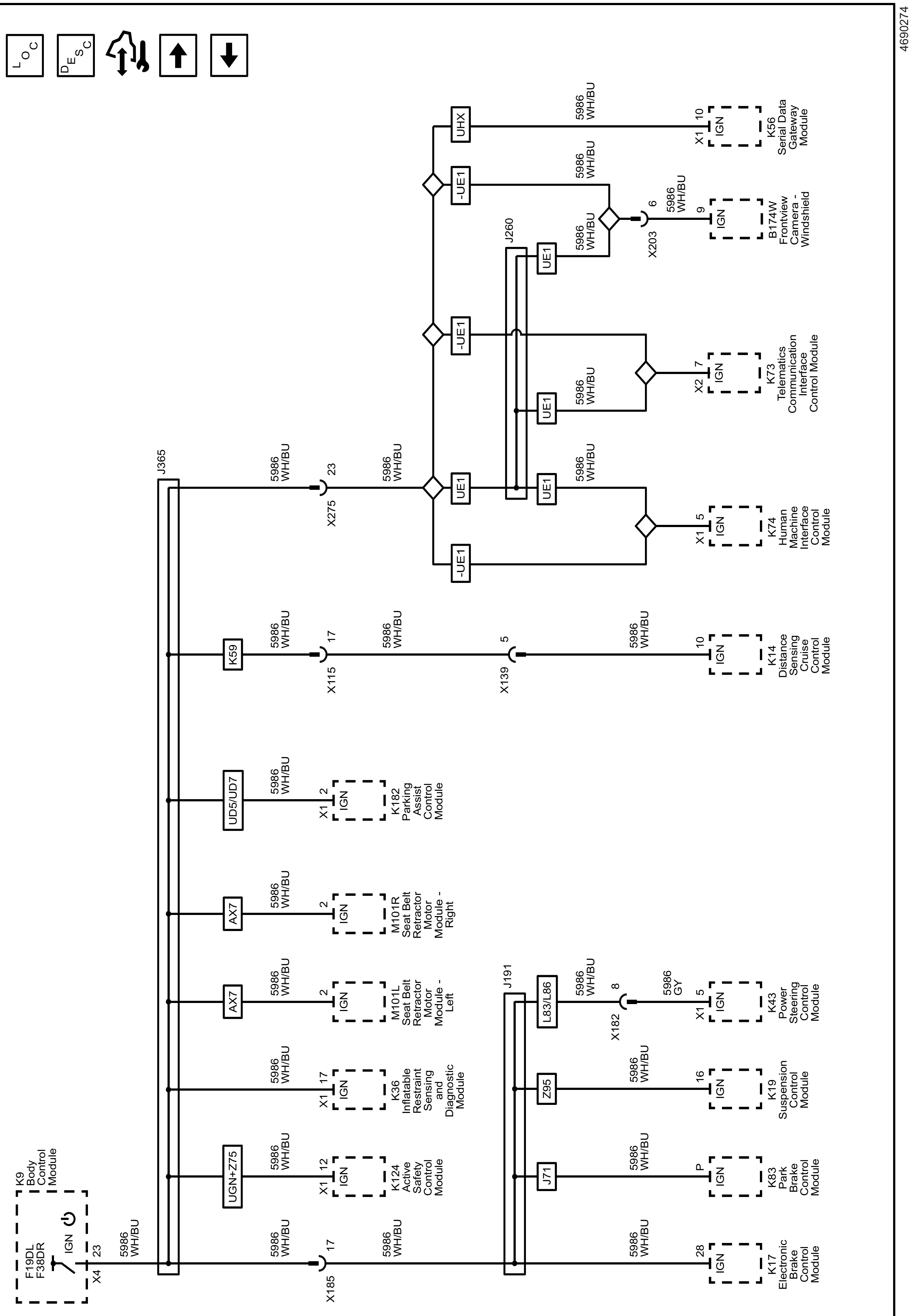
Data Communication Schematics (Linear Interconnect Network (LIN) Busses (3 of 3) (Z75))


4690269
LOC
DESC
K40D Seat Memory Control Module - Driver
X2
3
4
ULT
7530 GN/WH
17
X310
J372
N38
X225
X201
14
X3
K99 Steering Column Position Control Module
X600
34
X605
37
9
S79P Window Switch - Passenger
X500
X505
S52 Outside Rearview Mirror Switch
3758 GN/GY
J338
2
K134D Seat Bolster Memory Control Module - Driver
S64D Seat Adjuster Switch - Driver
K40P Seat Memory Control Module - Passenger
J348
10
X322
K134P Seat Bolster Memory Control Module - Passenger
S64P Seat Adjuster Switch - Passenger
P17 Info Display Module
A20 Radio/HVAC Controls
6
7
8
X1
7527 GN/WH
K74 Human Machine Interface Control Module
7532 GN/BU
13
A11 Radio
7531 GN/YE
J251
X300
A34 HVAC Controls - Auxiliary
X215
K33 HVAC Control Module

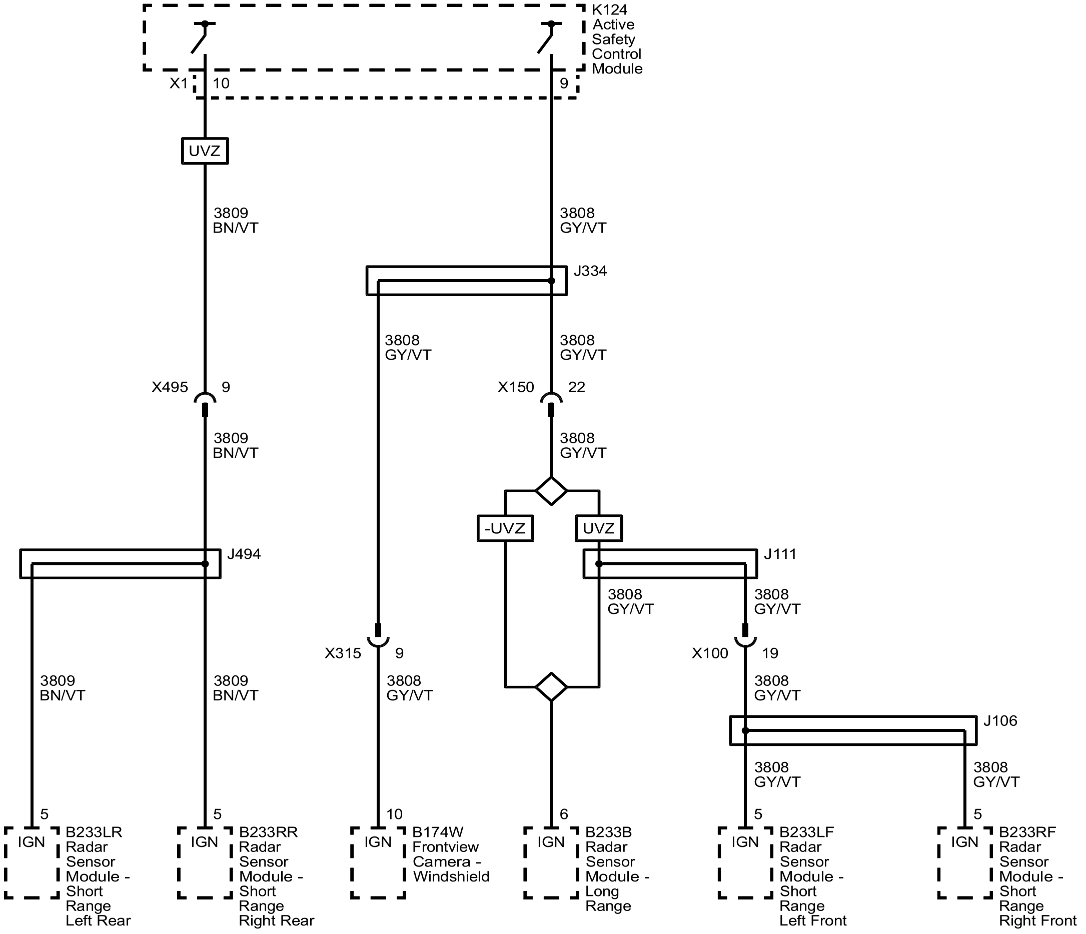
Data Communication Schematics (Accessory Wakeup)


K9
Body
Control
Module
F19DL
IGN
X4 22
5985
VT/YE
-JL1/NP0/NQH
JL1/NP0/NQH
J309
X115 16
J165
X1 18 (L96)
X1 70 (L83/L86)
IGN
K20
Engine
Control
Module
M5U
51
K71
Transmission
Control
Module
MYC/MYD
X1 9
Q8
Control
Solenoid
Valve
Assembly
T12
Automatic
Transmission
Assembly
X2 38
X61A
Junction
Block -
Instrument
Panel
X9 7
NP0/NQH
X2 6
K69
Transfer
Case
Control
Module
X185 20
(L83/L86)-(JL1/Z85)
(L83/L86)+(JL1/Z85)
(L96)+(JL1/Z85)
J449
7
K111
Fuel Pump
Driver
Control
Module
14
K38A
Chassis
Control
Module -
Auxiliary
4690272

Data Communication Schematics (Communications Enable)

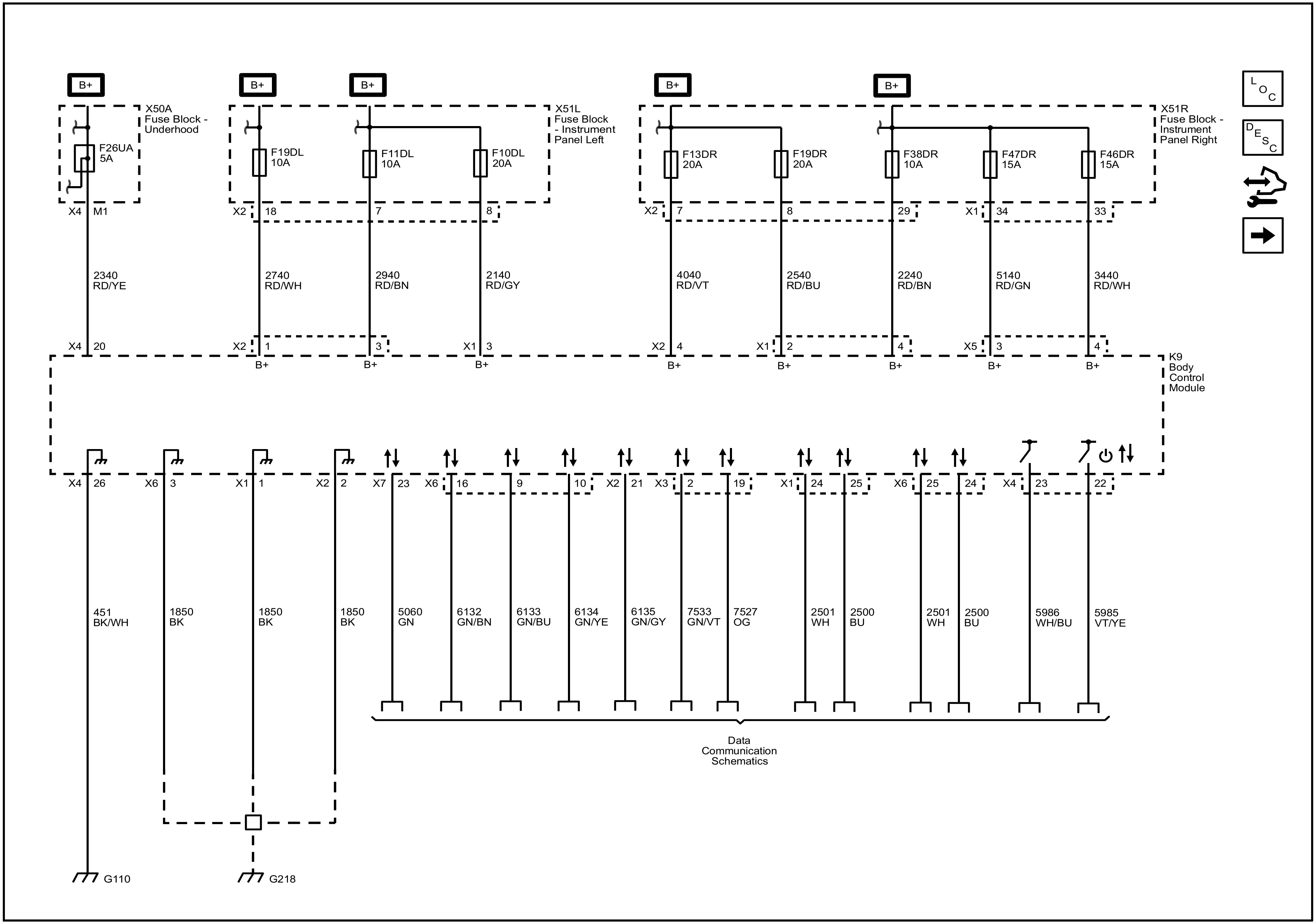

4690274
K9 Body Control Module
F19DL F38DR
IGN
X4 23
5986 WH/BU
J365
X185 17
X275 23
UGN+Z75
X1 12 IGN K124 Active Safety Control Module
X1 17 IGN K36 Inflatable Restraint Sensing and Diagnostic Module
AX7
2 IGN M101L Seat Belt Retractor Motor Module - Left
AX7
2 IGN M101R Seat Belt Retractor Motor Module - Right
UD5/UD7
X1 2 IGN K182 Parking Assist Control Module
K59
X115 17
X139 5
10 IGN K14 Distance Sensing Cruise Control Module
UE1
-UE1
UHX
J260
X1 5 IGN K74 Human Machine Interface Control Module
X2 7 IGN K73 Telematics Communication Interface Control Module
X203 6
9 IGN B174W Frontview Camera - Windshield
X1 10 IGN K56 Serial Data Gateway Module
J191
L83/L86
X182 8
5986 GY
X1 5 IGN K43 Power Steering Control Module
Z95
16 IGN K19 Suspension Control Module
J71
P IGN K83 Park Brake Control Module
28 IGN K17 Electronic Brake Control Module

Data Communication Schematics (Communications Enable - Object High Speed GMLAN (UGN))

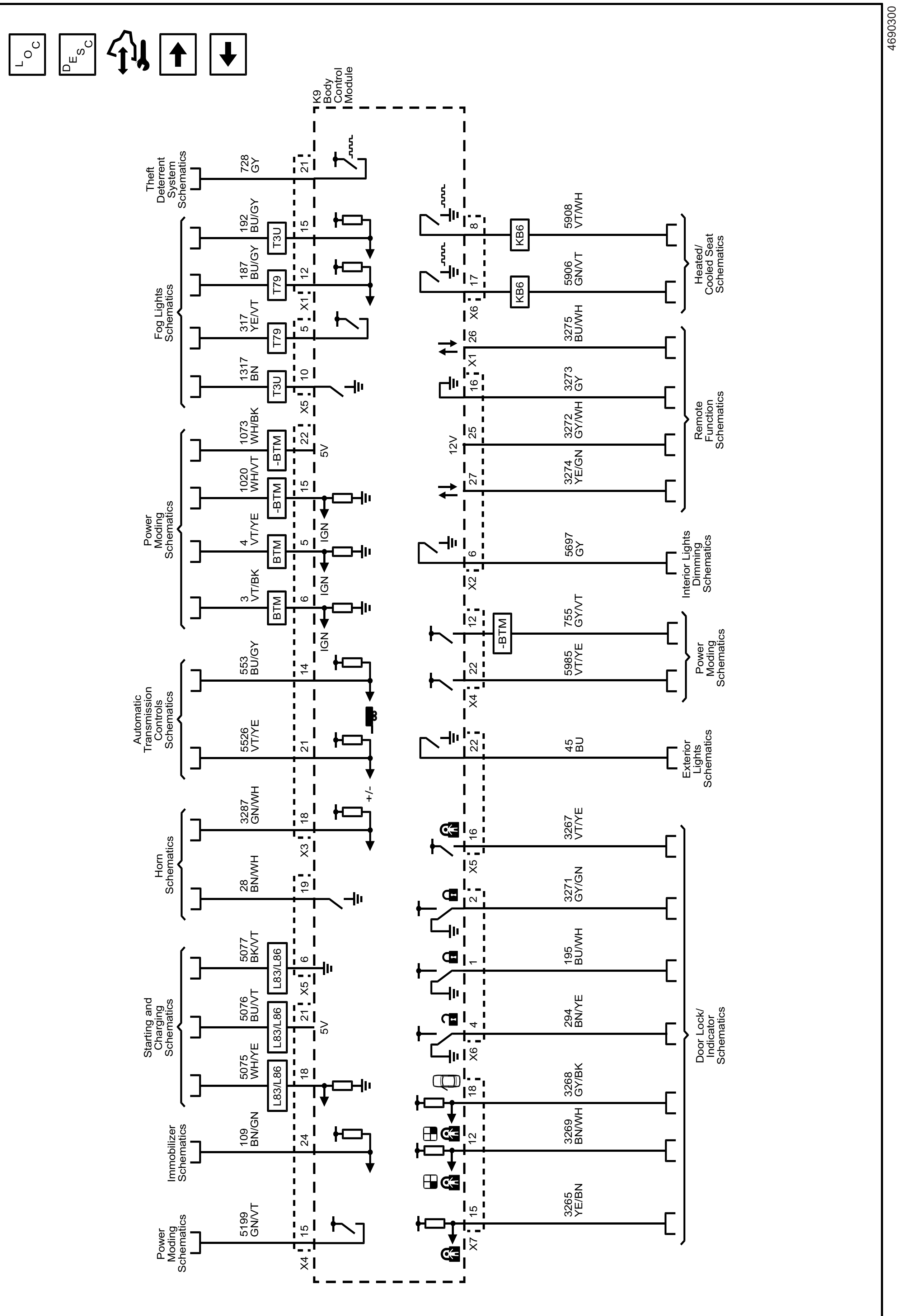

K124
Active
Safety
Control
Module
X1
10
9
UVZ
3809
BN/VT
3808
GY/VT
J334
X495
9
X150
22
-UVZ
UVZ
J494
J111
X315
9
X100
19
J106
5
IGN
B233LR
Radar
Sensor
Module -
Short
Range
Left Rear
5
IGN
B233RR
Radar
Sensor
Module -
Short
Range
Right Rear
10
IGN
B174W
Frontview
Camera -
Windshield
6
IGN
B233B
Radar
Sensor
Module -
Long
Range
5
IGN
B233LF
Radar
Sensor
Module -
Short
Range
Left Front
5
IGN
B233RF
Radar
Sensor
Module -
Short
Range
Right Front

4690275

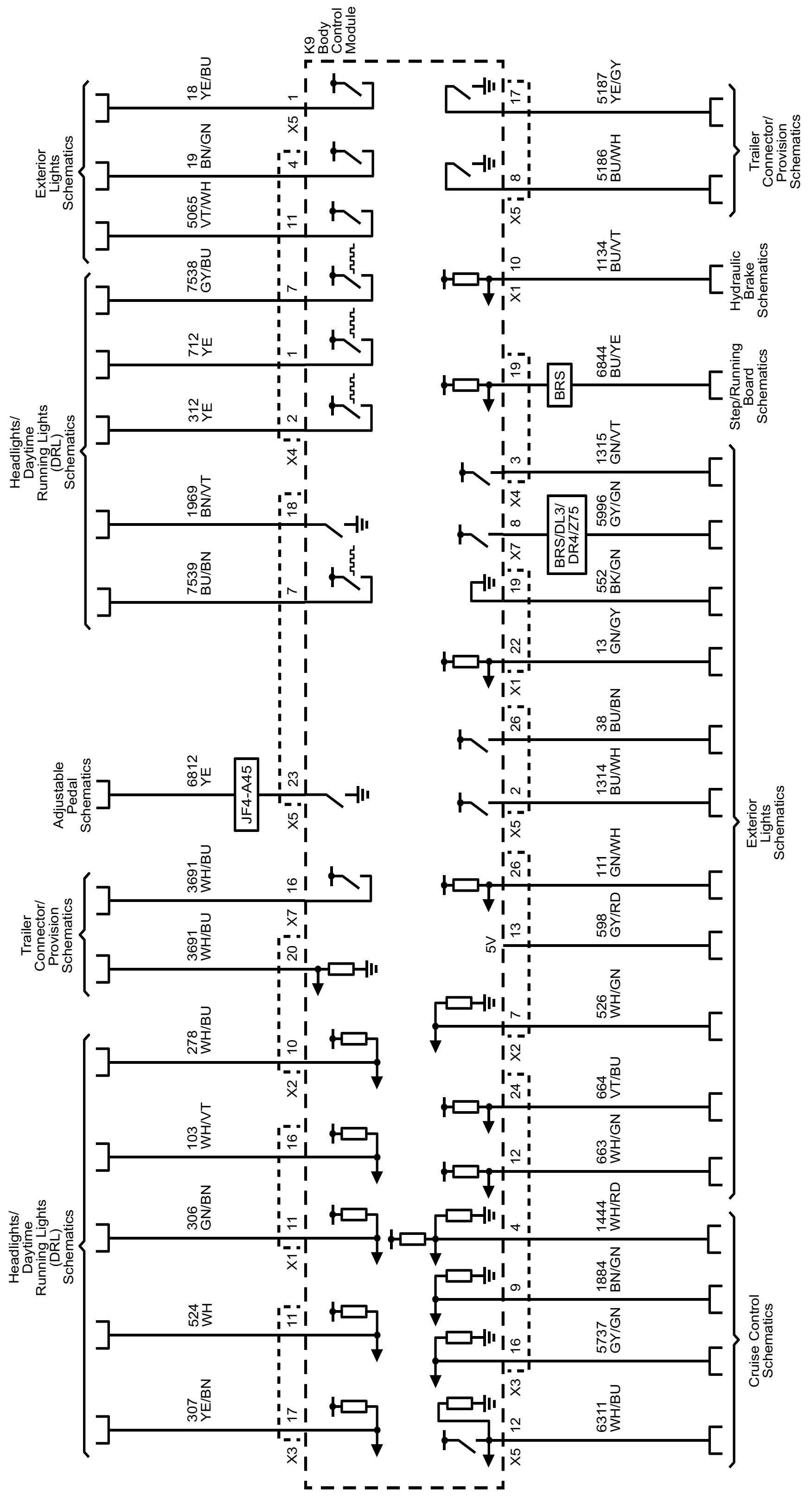
Body Control System Schematics (Module Power, Ground and Serial Data)


B+
X50A
Fuse Block -
Underhood
F26UA
5A
X4 M1
2340
RD/YE
X4 20
B+
B+
X51L
Fuse Block
- Instrument
Panel Left
F19DL
10A
F11DL
10A
F10DL
20A
X2 18
7
8
2740
RD/WH
2940
RD/BN
2140
RD/GY
X2 1
3
X1 3
B+
B+
B+
B+
B+
X51R
Fuse Block -
Instrument
Panel Right
F13DR
20A
F19DR
20A
F38DR
10A
F47DR
15A
F46DR
15A
X2 7
8
29
X1 34
33
4040
RD/VT
2540
RD/BU
2240
RD/BN
5140
RD/GN
3440
RD/WH
X2 4
X1 2
4
X5 3
4
B+
B+
B+
B+
B+
K9
Body
Control
Module
X4 26
X6 3
X1 1
X2 2
X7 23
X6 16
9
10
X2 21
X3 2
19
X1 24
25
X6 25
24
X4 23
22
451
BK/WH
1850
BK
1850
BK
1850
BK
5060
GN
6132
GN/BN
6133
GN/BU
6134
GN/YE
6135
GN/GY
7533
GN/VT
7527
OG
2501
WH
2500
BU
2501
WH
2500
BU
5986
WH/BU
5985
VT/YE
Data
Communication
Schematics
G110
G218
L O C
D E S C
4690277

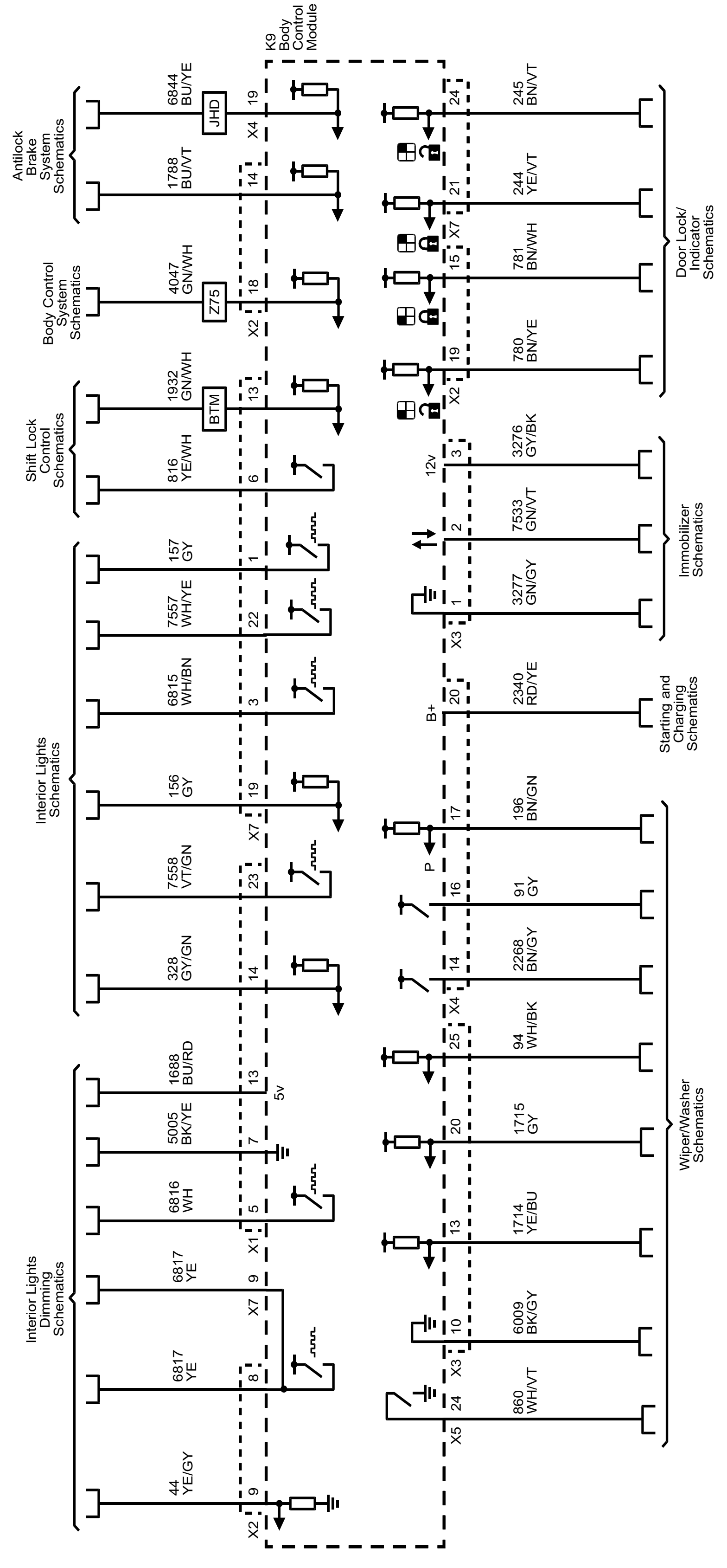
Body Control System Schematics (Subsystem References (1 of 4))


4690300
K9 Body Control Module
Theft Deterrent System Schematics
728 GY
21
Fog Lights Schematics
192 BU/GY
T3U
15
187 BU/GY
T79
12
X1
317 YE/VT
T79
5
1317 BN
T3U
10
X5
Power Moding Schematics
1073 WH/BK
-BTM
22
5V
1020 WH/VT
-BTM
15
IGN
4 VT/YE
BTM
5
IGN
3 VT/BK
BTM
6
IGN
Automatic Transmission Controls Schematics
553 BU/GY
14
5526 VT/YE
21
+/-
Horn Schematics
3287 GN/WH
18
X3
28 BN/WH
19
Starting and Charging Schematics
5077 BK/VT
L83/L86
6
X5
5076 BU/VT
L83/L86
21
5V
5075 WH/YE
L83/L86
18
Immobilizer Schematics
109 BN/GN
24
Power Moding Schematics
5199 GN/VT
15
X4
8
KB6
5908 VT/WH
17
KB6
5906 GN/VT
X6
Heated/Cooled Seat Schematics
26
3275 BU/WH
X1
16
3273 GY
12V
25
3272 GY/WH
27
3274 YE/GN
Remote Function Schematics
6
5697 GY
X2
Interior Lights Dimming Schematics
12
-BTM
755 GY/VT
22
5985 VT/YE
X4
Power Moding Schematics
22
45 BU
Exterior Lights Schematics
16
3267 VT/YE
X5
2
3271 GY/GN
1
195 BU/WH
4
294 BN/YE
X6
18
3268 GY/BK
12
3269 BN/WH
15
3265 YE/BN
X7
Door Lock/Indicator Schematics

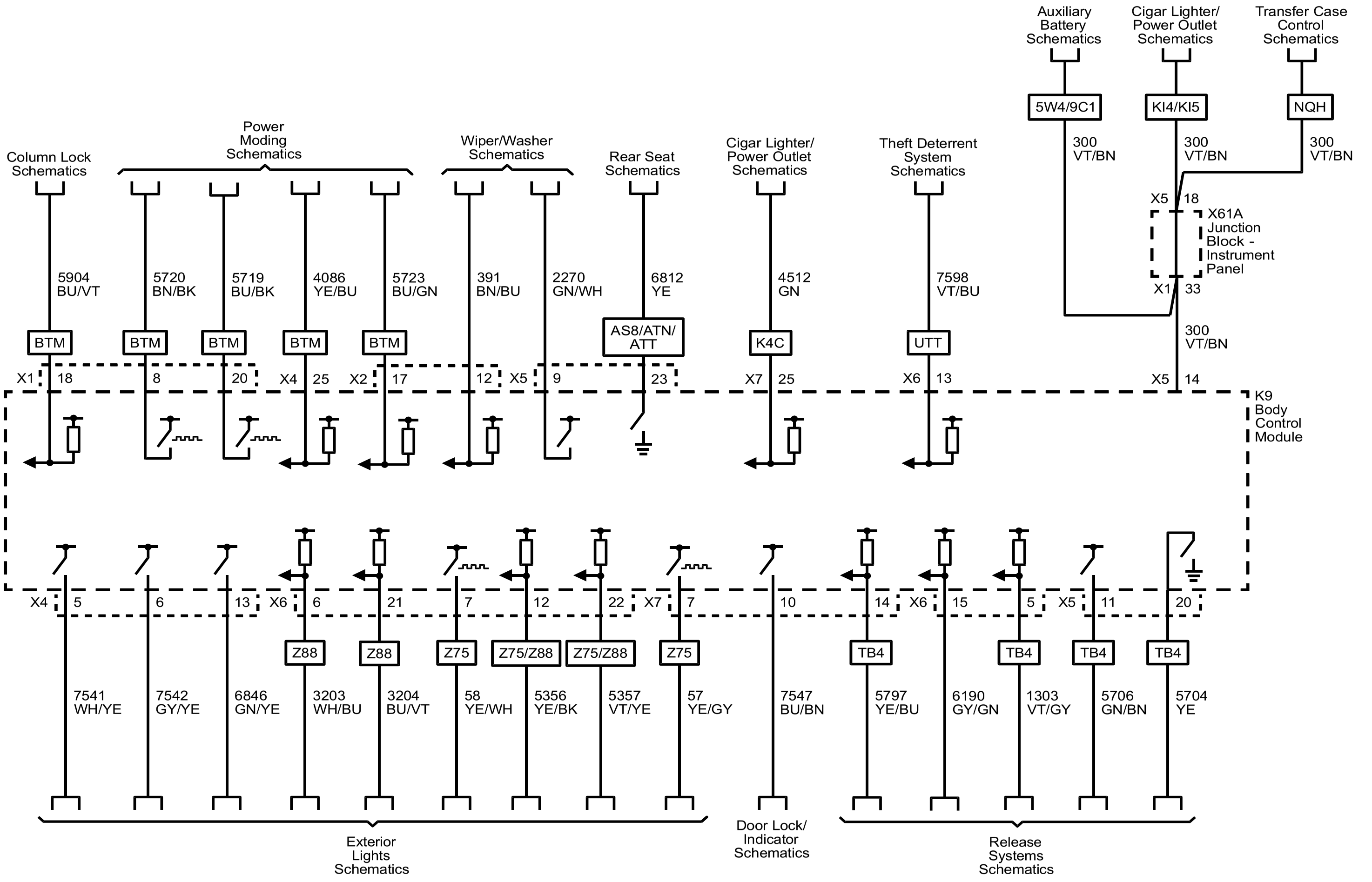
Body Control System Schematics (Subsystem References (2 of 4))


4690302
K9 Body Control Module
Exterior Lights Schematics
18 YE/BU
X5 1
19 BN/GN
4
5065 VT/WH
11
Headlights/ Daytime Running Lights (DRL) Schematics
7538 GY/BU
7
712 YE
1
312 YE
2
X4
1969 BN/VT
18
7539 BU/BN
7
Adjustable Pedal Schematics
6812 YE
JF4-A45
X5 23
Trailer Connector/ Provision Schematics
3691 WH/BU
16
X7
3691 WH/BU
20
278 WH/BU
10
X2
103 WH/VT
16
306 GN/BN
11
X1
524 WH
11
307 YE/BN
17
X3
Headlights/ Daytime Running Lights (DRL) Schematics
5187 YE/GY
17
5186 BU/WH
8
X5
Trailer Connector/ Provision Schematics
1134 BU/VT
X1 10
Hydraulic Brake Schematics
6844 BU/YE
19
BRS
Step/Running Board Schematics
1315 GN/VT
3
X4
5996 GY/GN
X7 8
BRS/DL3/ DR4/Z75
552 BK/GN
19
13 GN/GY
X1 22
38 BU/BN
26
1314 BU/WH
X5 2
111 GN/WH
26
598 GY/RD
5V 13
526 WH/GN
X2 7
664 VT/BU
24
663 WH/GN
12
1444 WH/RD
4
1884 BN/GN
9
5737 GY/GN
X3 16
6311 WH/BU
X5 12
Exterior Lights Schematics
Cruise Control Schematics

Body Control System Schematics (Subsystem References (3 of 4))


K9 Body Control Module
Antilock Brake System Schematics
6844 BU/YE
JHD
X4 19
1788 BU/VT
14
Body Control System Schematics
4047 GN/WH
Z75
X2 18
Shift Lock Control Schematics
1932 GN/WH
BTM
13
816 YE/WH
6
Interior Lights Schematics
157 GY
1
7557 WH/YE
22
6815 WH/BN
3
156 GY
X7 19
7558 VT/GN
23
328 GY/GN
14
Interior Lights Dimming Schematics
1688 BU/RD
13
5v
5005 BK/YE
7
6816 WH
X1 5
6817 YE
X7 9
6817 YE
8
44 YE/GY
X2 9
Door Lock/ Indicator Schematics
245 BN/VT
24
244 YE/VT
X7 21
781 BN/WH
15
780 BN/YE
X2 19
Immobilizer Schematics
12v
3276 GY/BK
3
7533 GN/VT
2
3277 GN/GY
X3 1
Starting and Charging Schematics
B+
2340 RD/YE
20
Wiper/Washer Schematics
P
196 BN/GN
17
91 GY
16
2268 BN/GY
X4 14
94 WH/BK
25
1715 GY
20
1714 YE/BU
13
6009 BK/GY
X3 10
860 WH/VT
X5 24
4690304

Body Control System Schematics (Subsystem References (4 of 4))


Auxiliary Battery Schematics
Cigar Lighter/ Power Outlet Schematics
Transfer Case Control Schematics
5W4/9C1
KI4/KI5
NQH
300 VT/BN
300 VT/BN
300 VT/BN
X5 18
X61A Junction Block - Instrument Panel
X1 33
300 VT/BN
X5 14
K9 Body Control Module
Column Lock Schematics
Power Moding Schematics
Wiper/Washer Schematics
Rear Seat Schematics
Cigar Lighter/ Power Outlet Schematics
Theft Deterrent System Schematics
5904 BU/VT
5720 BN/BK
5719 BU/BK
4086 YE/BU
5723 BU/GN
391 BN/BU
2270 GN/WH
6812 YE
4512 GN
7598 VT/BU
BTM
BTM
BTM
BTM
BTM
AS8/ATN/ ATT
K4C
UTT
X1 18
8
20
X4 25
X2 17
12
X5 9
23
X7 25
X6 13
X4 5
6
13
X6 6
21
7
12
22
X7 7
10
14
X6 15
5
X5 11
20
Z88
Z88
Z75
Z75/Z88
Z75/Z88
Z75
TB4
TB4
TB4
TB4
7541 WH/YE
7542 GY/YE
6846 GN/YE
3203 WH/BU
3204 BU/VT
58 YE/WH
5356 YE/BK
5357 VT/YE
57 YE/GY
7547 BU/BN
5797 YE/BU
6190 GY/GN
1303 VT/GY
5706 GN/BN
5704 YE
Exterior Lights Schematics
Door Lock/ Indicator Schematics
Release Systems Schematics

4690306

Description and Operation

Body Control System Description and Operation

The body control system consists of the body control module (BCM), communications, and various input and outputs. Some inputs, outputs and messages require other modules to interact with the BCM. The BCM also has discrete input and output terminals to control the vehicle's body functions. The BCM is wired to the high speed GMLAN serial data bus, low speed GMLAN serial data bus and Multiple LIN buses and acts as a gateway between them.

Power Mode Master

This vehicle body control module (BCM) functions as the power mode master (PMM). The ignition switch is a low current switch with multiple discrete ignition switch signals to the PMM for determining the power mode that will be sent over the serial data circuits to the other modules that need this information; the PMM will activate relays and other direct outputs of the PMM as needed. Refer to *Power Mode Description and Operation (Without BTM) on page 3-1025* or *Power Mode Description and Operation (With BTM) on page 3-1027* for a complete description of power mode functions.

Gateway

The body control module (BCM) in this vehicle functions as a gateway or translator. The purpose of the gateway is to translate serial data messages between the GMLAN high speed bus and the GMLAN low speed bus for communication between the various modules. The gateway will interact with each network according to that network's transmission protocol.

All communication between the BCM and a scan tool is on the high speed GMLAN serial data circuits. A lost communication DTC typically is set in modules other than the module with a communication failure.

Body Control

The various body control module (BCM) input and output circuits are illustrated in the corresponding functional areas on the BCM electrical schematics. Refer to the *Body Control System Schematics on page 3-24* for more detailed information.

Data Link Communications Description and Operation

Note: This is an overview of different serial data buses used by GM devices to communicate with each others. Use *Data Communication Schematics on page 3-4* to find out which serial data buses are configured for a specific vehicle.

Circuit Description

There are many components in a vehicle that rely on information from other sources, transmit information to other sources, or both. Serial data communication networks provide a reliable, cost effective, way for various components of the vehicle to “talk” to one another and share information.

GM uses a number of different communication buses to insure the timely and efficient exchange of information between devices. When compared to each other, some of these buses are different in nature as far as speed, signal characteristics, and behavior. An example of this is the High Speed GMLAN and Low Speed GMLAN buses.

On the other hand, when other buses are compared to each other they have similar characteristics and simply operate in parallel. In this case they are used to group together components which have high interaction. Examples are the High Speed GMLAN, Powertrain Expansion, and Chassis Expansion buses. This allows them to communicate with each other on a bus with reduced message congestion insuring faster and the more timely exchange of information than if all vehicle devices were on a single bus.

The majority of information that exists within a given network generally stays local; however some information will have to be shared on other networks. Control modules designated as Gateway’s perform the function of transferring information between the various buses. A Gateway module is connected to at least 2 buses and will interact with each network according to its message strategy and transmission models.

GMLAN provides the capability for a receiving device to monitor message transmissions from other devices in order to determine if messages of interest are not being received. The primary purpose is to allow reasonable default values to be substituted for the information no longer being received. Additionally, a device may set a Diagnostic Trouble Code to indicate that the device it is expecting information from is no longer communicating.

High Speed GMLAN Circuit Description

A High Speed GMLAN Bus is used where data needs to be exchanged at a high enough rate to minimize the delay between the occurrence of a change in sensor value and the reception of this information by a control device using the information to adjust vehicle system performance.

The High Speed GMLAN serial data network consists of two twisted wires. One signal circuit is identified as GMLAN-High and the other signal circuit is identified as GMLAN-Low. At each end of the data bus there is a 120 Ω termination resistor between the GMLAN-High and GMLAN-Low circuits.

Data symbols (1’s and 0’s) are transmitted sequentially at a rate of 500 Kbit/s. The data to be transmitted over the bus is represented by the voltage difference between the GMLAN-High signal voltage and the GMLAN-Low signal voltage.

When the two wire bus is at rest the GMLAN-High and GMLAN-Low signal circuits are not being driven and this represents a logic “1”. In this state both signal circuits are at the same voltage of 2.5 V. The differential voltage is approximately 0 V.

When a logic “0” is to be transmitted, the GMLAN-High signal circuit is driven higher to about 3.5 V and the GMLAN-Low circuit is driven lower to about 1.5 V. The differential voltage becomes approximately 2.0 (+/- 0.5) V.

Chassis High Speed GMLAN Circuit Description

The GMLAN Chassis Expansion Bus is basically a copy of the High Speed GMLAN Bus except that its use is reserved for chassis components. This implementation splits message congestion between two parallel buses helping to insure timely message transmission and reception. Sometimes communication is required between the Chassis Expansion Bus and the primary High Speed GMLAN Bus. This is accomplished by using the K17 Electronic Brake Control Module (EBCM) as the Gateway module. Since the High Speed GMLAN Chassis Expansion Bus and primary High Speed GMLAN Bus operate in the same manner, the diagnostics for each are similar.

Powertrain High Speed GMLAN Circuit Description

The GMLAN Powertrain Expansion Bus is basically a copy of the High Speed GMLAN Bus except that its use is reserved for Powertrain components. The bus is optional based upon feature content. Sometimes communication is required between the Powertrain Expansion Bus and the primary High Speed GMLAN Bus. This is accomplished by using the K20 Engine Control Module (ECM) as the Gateway module. Since the High Speed GMLAN Powertrain Expansion Bus and the primary High Speed GMLAN Bus operate in the same manner, the diagnostics for each are similar.

Object High Speed GMLAN Circuit Description

The GMLAN Object Bus is basically a copy of the High Speed GMLAN Bus except that its use is reserved for the enhanced safety system. This implementation is used to isolate the heavy communication among the enhanced safety system devices from the other vehicle buses, reducing congestion. The K124 Active Safety Control Module is connected to the Object Bus as well as the Primary High Speed GMLAN Bus, the Chassis Expansion Bus, and the Low Speed GMLAN Bus. The K124 Active Safety Control Module acts as a Gateway module for all required communication between the Object Bus devices and devices on these other vehicle buses. The GMLAN Object Bus operates in the same manner as the Chassis Expansion and Primary High Speed buses and so the diagnostics are similar. The Object Bus is physically partitioned into a Front Object Bus and a Rear Object Bus with each partition having its own communication enable circuit to activate the partition, but functional operation of both is identical. The Front Object Bus standard devices are the K124 Active Safety Control Module, the K109 Frontview Camera Module, and the B233B Radar Sensor Module – Long Range. The Front Object Bus optional devices are the B233LF Radar Sensor Module – Short Range Left Front and the B233RF Radar Sensor Module – Short Range Right Front. The Rear Object Bus is optional and when present will have the K124 Active Safety Control Module, B233LR Radar Sensor Module – Short Range Left Rear, and B233RR Radar Sensor Module – Short Range Right Rear on the bus. All Object Bus components are powered by the K124 Active Safety Control Module via the communication enable circuits, except the K109 Frontview Camera Module which is powered directly by battery.

Media Oriented Systems Transport (MOST) Circuit Description

The MOST Infotainment network is a dedicated high speed multimedia streaming data bus independent from GMLAN. The MOST bus will be configured in a physical hardwired loop with each device within the bus sends and receives data on an assigned MOST addresses in a set order. Each device on the MOST bus will be required to have twisted pair copper wires (2 transmit TX, 2 receive RX, and 1 electronic control line which is a 12 V wakeup signal line). The A11 Radio is the MOST Master and will monitor the bus for vehicle configuration, Infotainment data messages and errors on the bus. The MOST initialization consists of a short 100 ms low voltage pulse on the electronic control line (or MOST control line) connected to all devices contained on the MOST ring. This wakeup message once received by each device, will first respond with a generic device response. Once these initial responses on the MOST bus are reported successfully without error to the A11 Radio, the second data request will record the MOST device addresses, their functionality requirements and capabilities within. The A11 Radio will learn this information and also record the address node sequence on the MOST bus at this point. This node address list will now be stored within the A11 Radio as the MOST bus configuration (called “Last Working MOST ID of Node 1 – 9” on scan tool data display).

When MOST receive, transmit, or control line faults are detected, transmit/receive messages will not received as expected from the wakeup request. The A11 Radio and the K74 Human Machine Interface Control Module will then perform diagnostics to isolate these MOST faults. If the MOST control line is shorted low to 0 V for excess amount of time, the A11 Radio will set a U2098 DTC and K74 Human Machine Interface Control Module will set a U0029 02 DTC. At this point the MOST bus will be unable to communicate until the shorted MOST control line is repaired.

Once the shorted MOST control line diagnostics pass, the A11 Radio will attempt to resend the initial short pulse attempts up to 3 times on the MOST control line. If the expected responses are not received, the A11 Radio continues into a failure mode setting a U0028 DTC and will continue on to send one 300 ms long pulse, which will enable the furthest upstream transmitting device to become the surrogate MOST Master in this MOST fault/diagnostic mode. When the A11 Radio receives this new MOST Master identity, the surrogate MOST master device can be identified based on scan tool data parameter “Surrogate MOST Master Node Upstream Position”. The scan tool should be used to determine the MOST bus configuration and direction by utilizing the “Last Working MOST ID of Node 1 – 9” parameters from the A11 Radio data display. When a fault is present, it will indicate the newly enabled “Surrogate MOST Master Node Upstream Position” from the A11 Radio. This will assist in determining where the MOST bus/control is at fault. The MOST device upstream from the surrogate MOST master device, transmit, receive, or control lines will be the suspect areas for diagnostics at this point. These faults can be associated with any of the MOST transmit, receive, or control line twisted copper wires or possibly an internal device fault.

The K74 Human Machine Interface Control Module will set a U0029 00 DTC when it diagnoses a MOST bus not communicating properly after one attempt. When the DTC U0029 00 is set by the K74 Human Machine Interface Control Module without the corresponding DTC U0028 from the A11 Radio, it will be an indication of an intermittent wiring/device condition.

Low Speed GMLAN Circuit Description

Low Speed GMLAN Bus is used in applications where a high data rate is not required which allows for the use of less complex components. It is typically used for operator controlled functions where the response time requirements are slower than those required for dynamic vehicle control.

The Low Speed GMLAN Serial Data Network consists of a single wire, ground referenced bus with high side voltage drive. During on road vehicle operation data symbols (1’s and 0’s) are transmitted sequentially at the normal rate of 33.3 Kbit/s. For component programming only, a special high speed data mode of 83.3 Kbit/s may be used.

Unlike the high speed dual wire networks, the single wire low speed network does not use terminating resistors at either end of the network.

The data symbols to be transmitted over the bus are represented by different voltage signals on the bus. When the Low Speed GMLAN Bus is at rest and is not being driven, there is a low signal voltage of approximately 0.2 V. This represents a logic “1”. When a logic “0” is to be transmitted, the signal voltage is driven higher to around 4.0 V or higher.

Local Interconnect Network (LIN) Circuit Description

The Local Interconnect Network (LIN) Bus consists of a single wire with a transmission rate of 10.417 Kbit/s. This bus is used to exchange information between a master control module and other smart devices which provide supporting functionality. This type of configuration does not require the capacity or speed of either a High Speed GMLAN Bus or Low Speed GMLAN Bus and is thus relatively simpler.

The data symbols (1’s and 0’s) to be transmitted are represented by different voltage levels on the communication bus. When the LIN Bus is at rest and is not being driven, the signal is in a high voltage state of approximately Vbatt. This represents a logic “1”. When a logic “0” is to be transmitted, the signal voltage is driven low to about ground (0.0 V).

Communication Enable Circuit Description

Devices on High Speed GMLAN Bus enable or disable communication based on the voltage level of the communication enable circuit. When the circuit voltage is high (around 12 V), communications are enabled. When the circuit is low, communications are disabled.

Data Link Connector (DLC)

The X84 Data Link Connector (DLC) is a standardized 16-cavity connector. Connector design and location is dictated by an industry wide standard, and is required to provide the following:

- Terminal 1: Low speed GMLAN communications terminal
- Terminal 3: Object high speed GMLAN serial bus (+) terminal
- Terminal 4: Scan tool power ground terminal
- Terminal 5: Common signal ground terminal
- Terminal 6: High speed GMLAN serial data bus (+) terminal
- Terminal 11: Object high speed GMLAN serial bus (-) terminal
- Terminal 12: Chassis high speed GMLAN serial bus (+) terminal
- Terminal 13: Chassis high speed GMLAN serial bus (-) terminal
- Terminal 14: High speed GMLAN serial data bus (-) terminal
- Terminal 16: Scan tool power, battery positive voltage terminal

Serial Data Reference

The scan tool communicates over the various buses on the vehicle. When a scan tool is installed on a vehicle, the scan tool will try to communicate with every device that could be optioned into the vehicle. If an option is not installed on the vehicle, the scan tool will display No Comm (or Not Connected) for that optional device. In order to avert misdiagnoses of No Communication with a specific device, refer to Data Link References for a list of devices and the buses they communicate with. Use schematics and specific vehicle build RPO codes to determine optional devices.

Serial Data Gateway Module Description and Operation

The K56 Serial Data Gateway Module is used to handle communications between multiple GMLAN busses and functions as a gateway to isolate the secure networks from the unsecured networks. It was created to mitigate bus loading to support cyber security and new active/advanced safety features like Limited Ability Autonomous Driving and Enhanced Collision Avoidance (if equipped). The K56 Serial Data Gateway Module is used as a frame-to-frame gateway for all functional messages.

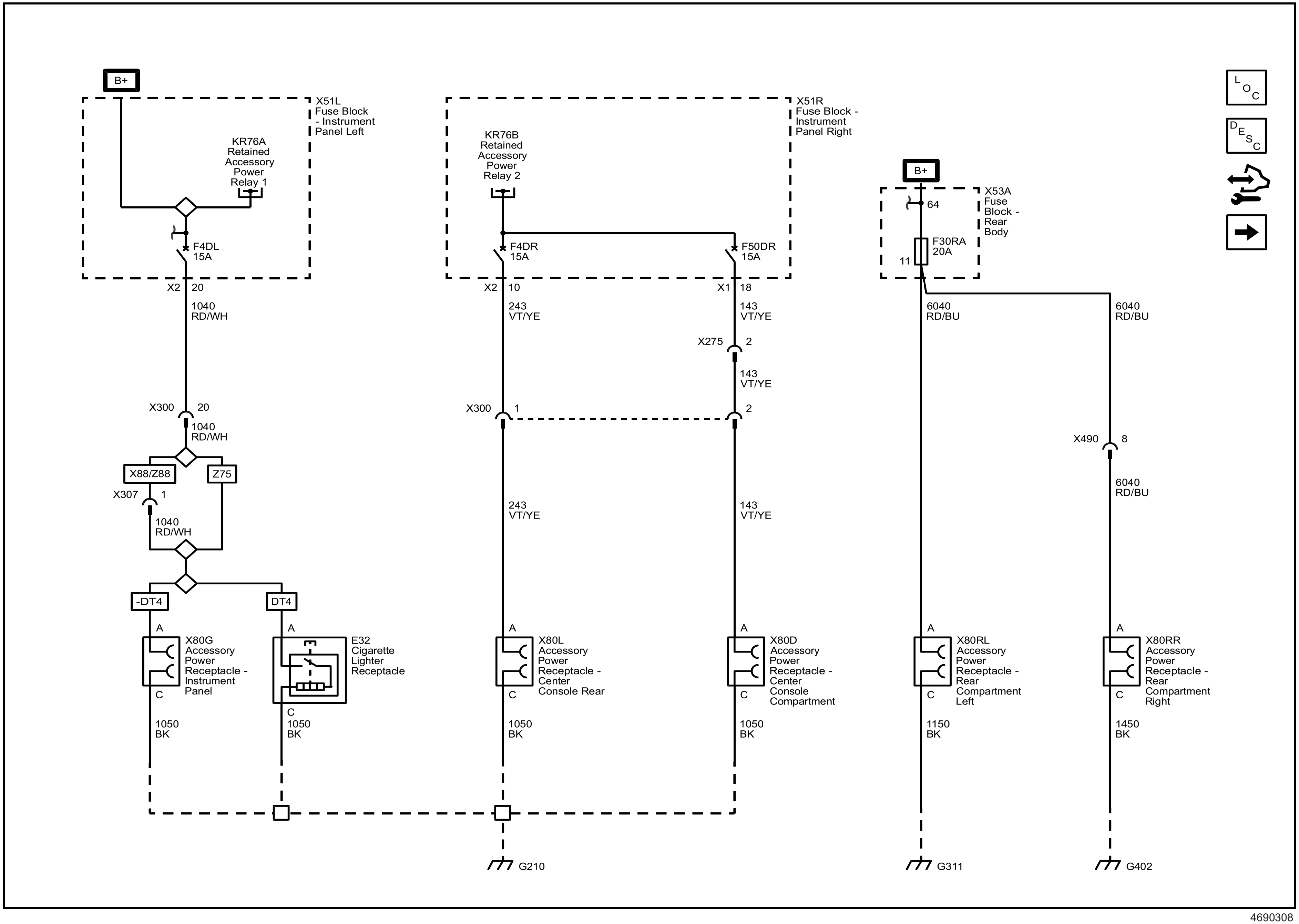
Depending on the vehicle contents, the K56 Serial Data Gateway Module is gating between primary High Speed GMLAN Bus, Gateway Expansion High Speed GMLAN Bus, Gateway Isolated High Speed GMLAN Bus, and Chassis High Speed GMLAN Bus. The K56 Serial Data Gateway Module is also gating between primary Low Speed GMLAN Bus and Gateway Isolated Low Speed GMLAN Bus.

Communication between the K56 Serial Data Gateway Module and a scan tool is done through the primary High Speed GMLAN Bus.

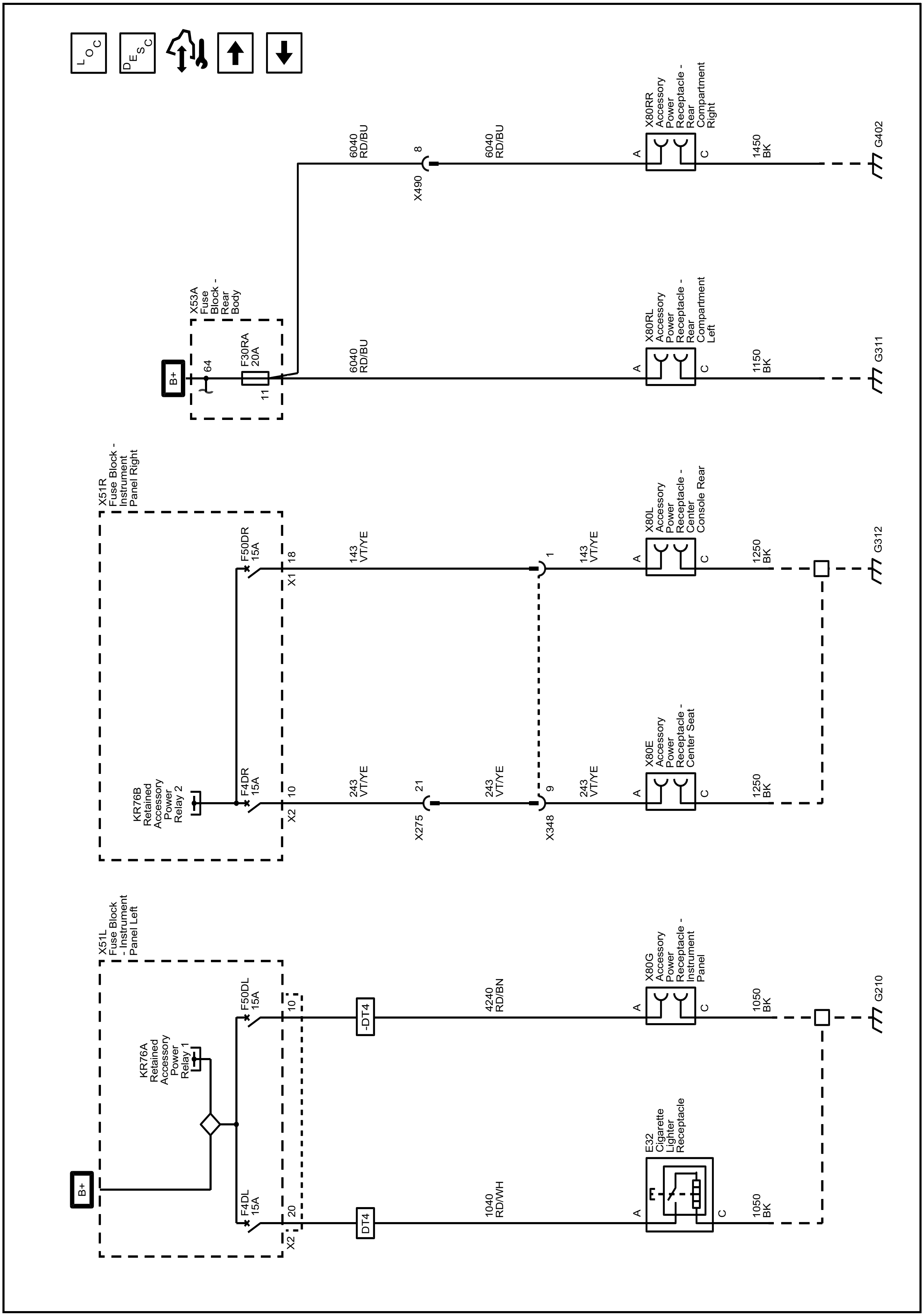
Power Outlets

Schematic and Routing Diagrams

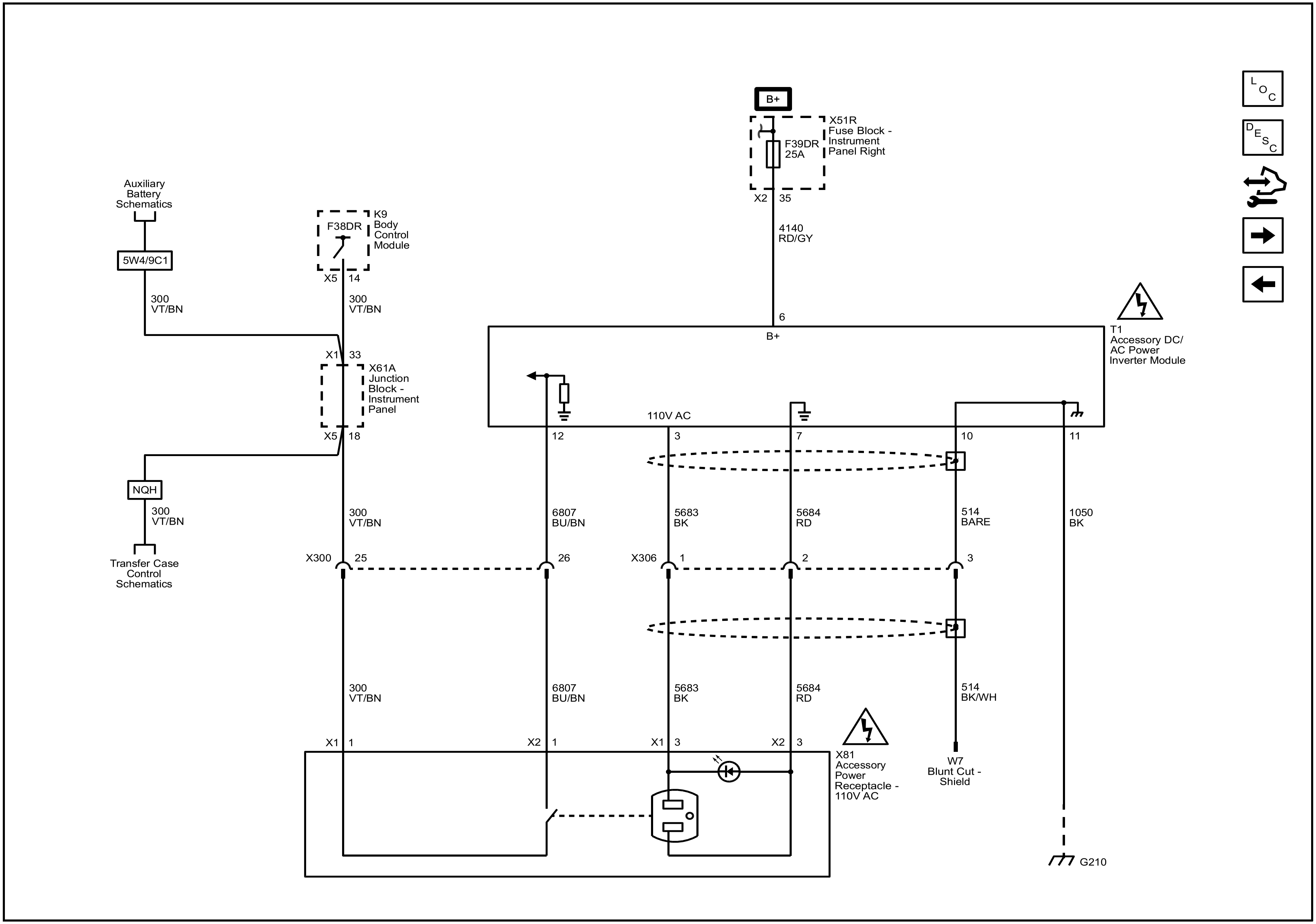
Cigar Lighter/Power Outlet Schematics (12-Volt DC Power Outlets (D07/DCK))


B+
X51L
Fuse Block
- Instrument
Panel Left
KR76A
Retained
Accessory
Power
Relay 1
F4DL
15A
X2 20
1040
RD/WH
X300 20
1040
RD/WH
X88/Z88
Z75
X307 1
1040
RD/WH
-DT4
DT4
A
X80G
Accessory
Power
Receptacle -
Instrument
Panel
C
1050
BK
A
E32
Cigarette
Lighter
Receptacle
C
1050
BK
X51R
Fuse Block -
Instrument
Panel Right
KR76B
Retained
Accessory
Power
Relay 2
F4DR
15A
F50DR
15A
X2 10
243
VT/YE
X1 18
143
VT/YE
X275 2
143
VT/YE
X300 1
2
243
VT/YE
143
VT/YE
A
X80L
Accessory
Power
Receptacle -
Center
Console Rear
C
1050
BK
A
X80D
Accessory
Power
Receptacle -
Center
Console
Compartment
C
1050
BK
G210
B+
64
X53A
Fuse
Block -
Rear
Body
F30RA
20A
11
6040
RD/BU
6040
RD/BU
X490 8
6040
RD/BU
A
X80RL
Accessory
Power
Receptacle -
Rear
Compartment
Left
C
1150
BK
G311
A
X80RR
Accessory
Power
Receptacle -
Rear
Compartment
Right
C
1450
BK
G402
L O C
D E S C
4690308

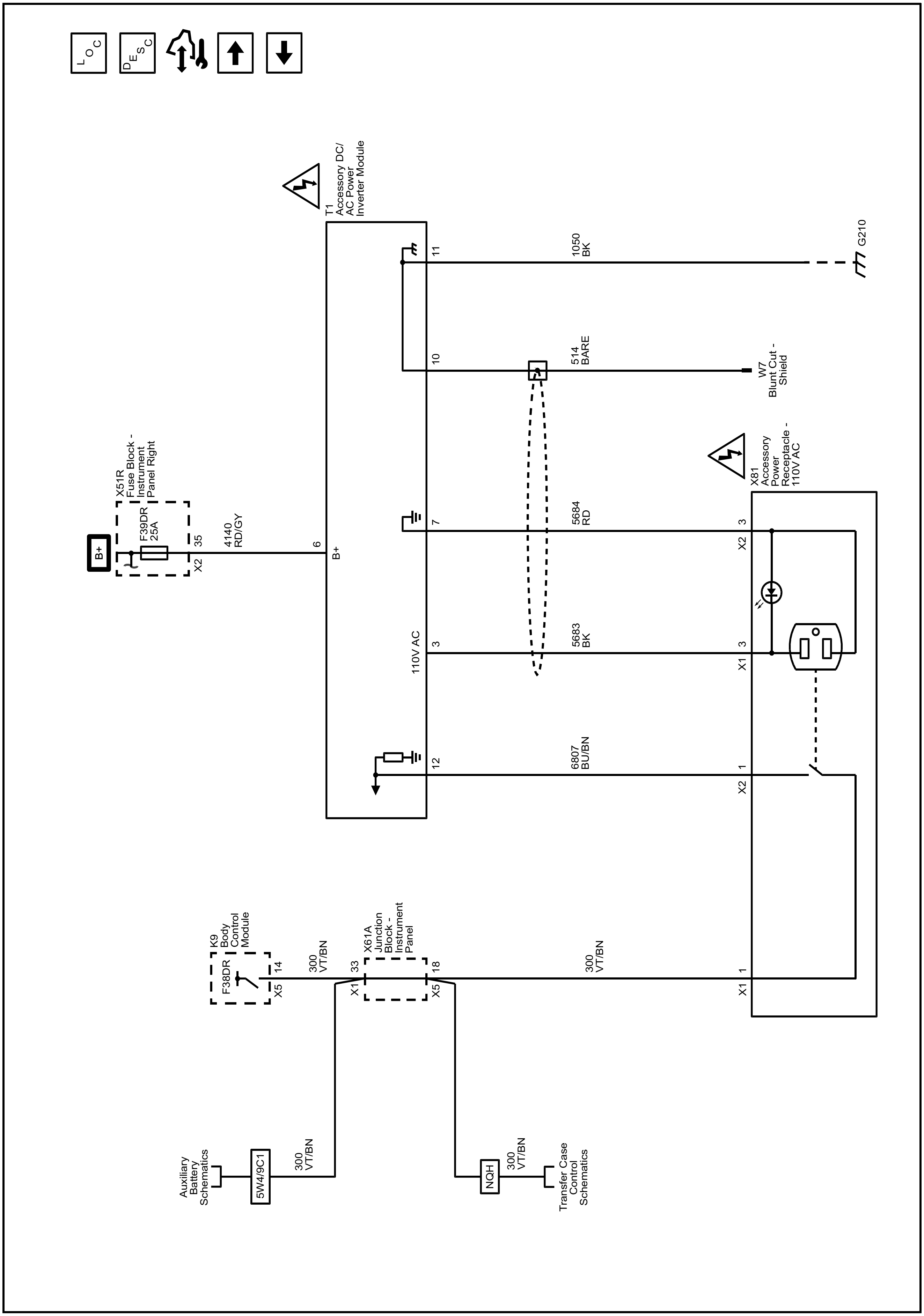
Cigar Lighter/Power Outlet Schematics (12-Volt DC Power Outlets (AZ3))


4690311
L O C
D E S C
X51L Fuse Block - Instrument Panel Left
B+
KR76A Retained Accessory Power Relay 1
F50DL 15A
F4DL 15A
10
20
X2
-DT4
DT4
4240 RD/BN
1040 RD/WH
X80G Accessory Power Receptacle - Instrument Panel
E32 Cigarette Lighter Receptacle
A
C
1050 BK
G210
X51R Fuse Block - Instrument Panel Right
KR76B Retained Accessory Power Relay 2
F50DR 15A
F4DR 15A
X1 18
X2 10
143 VT/YE
243 VT/YE
21
X275
9
X348
1
X80E Accessory Power Receptacle - Center Seat
X80L Accessory Power Receptacle - Center Console Rear
1250 BK
G312
X53A Fuse Block - Rear Body
64
11
F30RA 20A
6040 RD/BU
8
X490
X80RL Accessory Power Receptacle - Rear Compartment Left
X80RR Accessory Power Receptacle - Rear Compartment Right
1150 BK
G311
1450 BK
G402

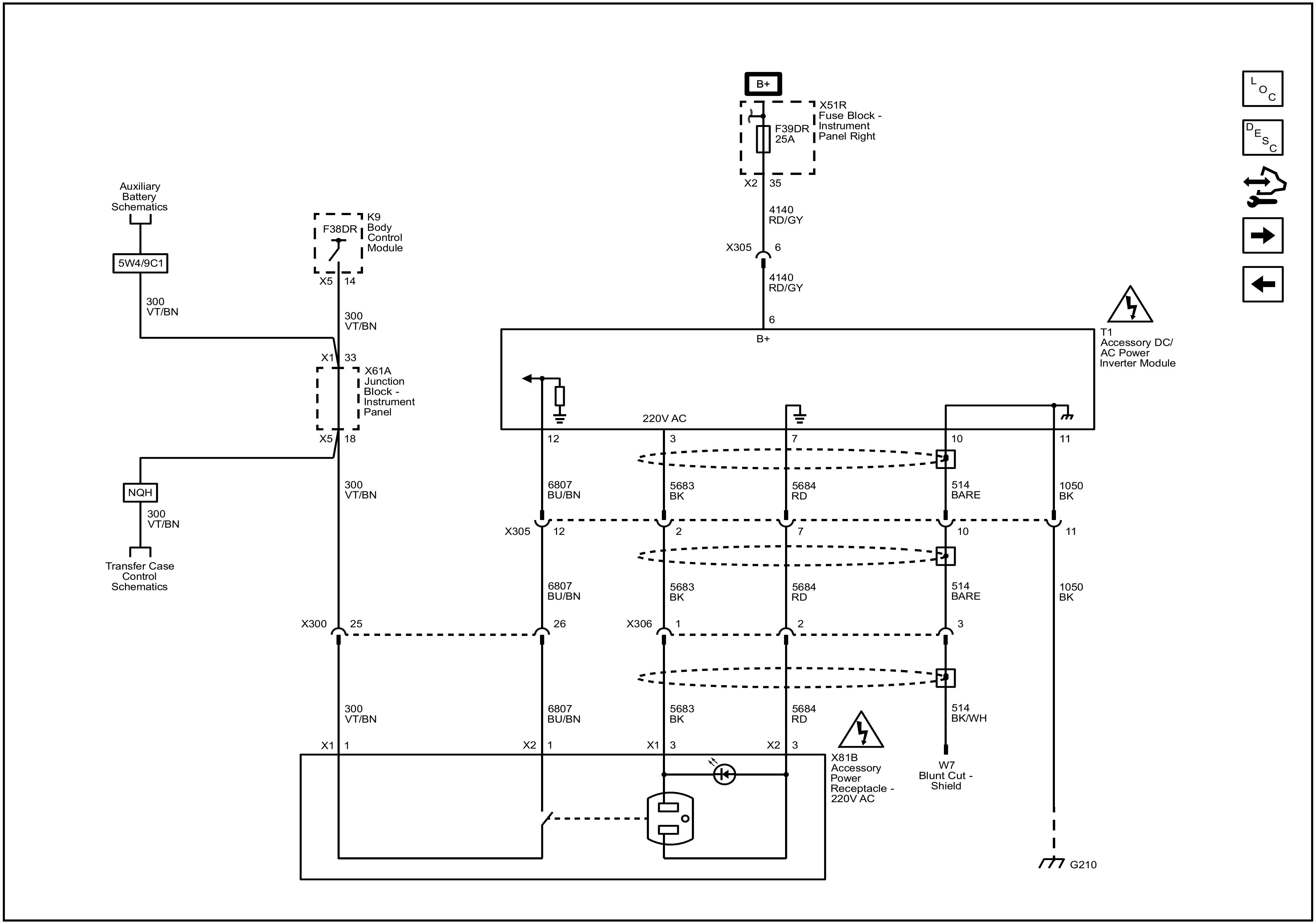
Cigar Lighter/Power Outlet Schematics (110-Volt AC Power Outlet (KI4 with D07/DCK))


L O C
D E S C
B+
X51R
Fuse Block -
Instrument
Panel Right
F39DR
25A
X2 35
4140
RD/GY
6
B+
T1
Accessory DC/
AC Power
Inverter Module
Auxiliary
Battery
Schematics
5W4/9C1
300
VT/BN
K9
Body
Control
Module
F38DR
X5 14
300
VT/BN
X1 33
X61A
Junction
Block -
Instrument
Panel
X5 18
NQH
300
VT/BN
Transfer Case
Control
Schematics
110V AC
12
3
7
10
11
300
VT/BN
6807
BU/BN
5683
BK
5684
RD
514
BARE
1050
BK
X300 25
26
X306 1
2
3
300
VT/BN
6807
BU/BN
5683
BK
5684
RD
514
BK/WH
X1 1
X2 1
X1 3
X2 3
X81
Accessory
Power
Receptacle -
110V AC
W7
Blunt Cut -
Shield
G210
4690313

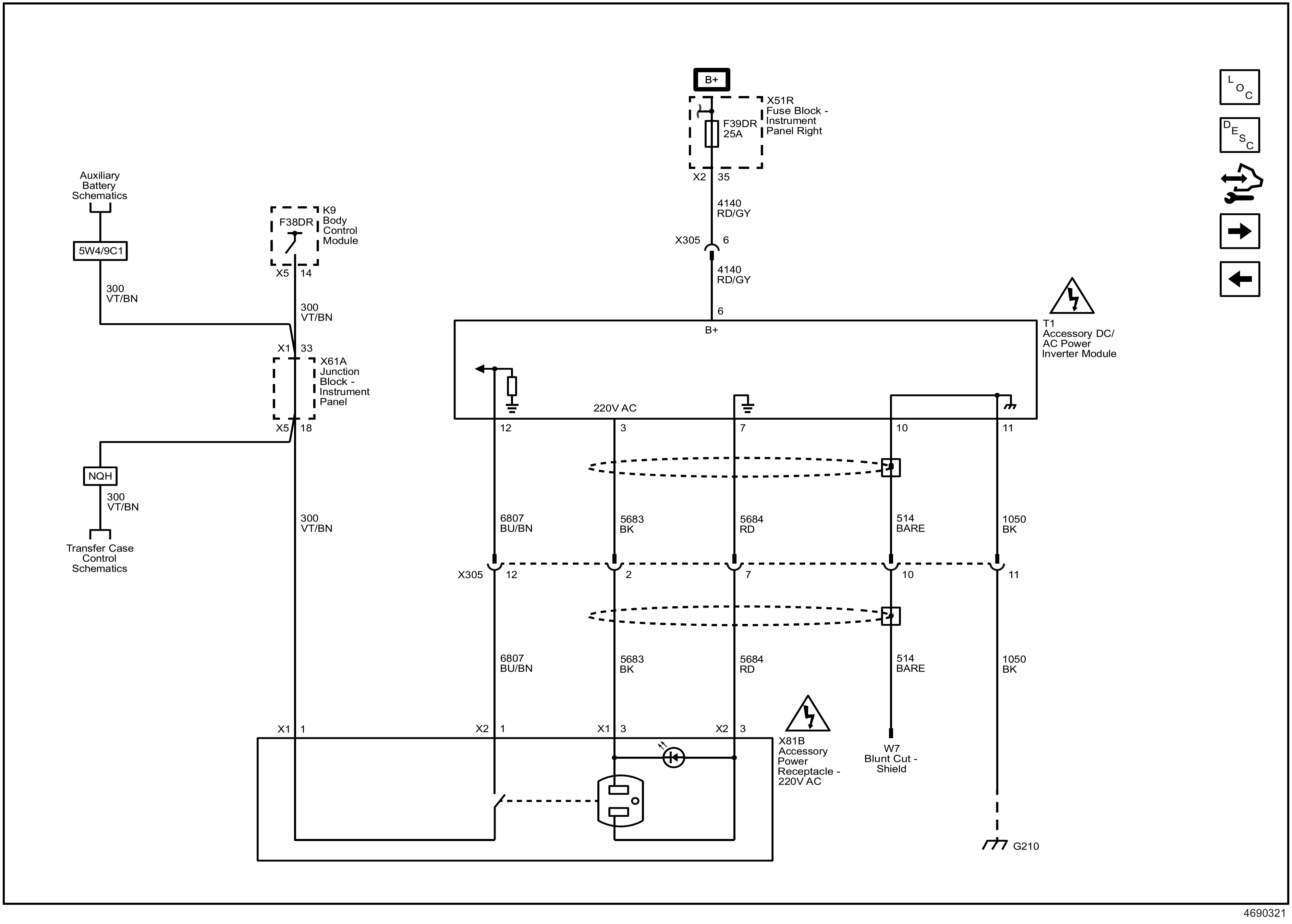
Cigar Lighter/Power Outlet Schematics (110-Volt AC Power Outlet (KI4 with AZ3))


4690316
LOC
DESC
B+
X51R Fuse Block - Instrument Panel Right
F39DR 25A
X2 35
4140 RD/GY
6
B+
T1 Accessory DC/ AC Power Inverter Module
11
1050 BK
G210
10
514 BARE
W7 Blunt Cut - Shield
7
5684 RD
110V AC
3
5683 BK
12
6807 BU/BN
X81 Accessory Power Receptacle - 110V AC
X2 3
X1 3
X2 1
X1 1
K9 Body Control Module
F38DR
X5 14
300 VT/BN
X61A Junction Block - Instrument Panel
X1 33
18 X5
300 VT/BN
Auxiliary Battery Schematics
5W4/9C1
300 VT/BN
NQH
300 VT/BN
Transfer Case Control Schematics

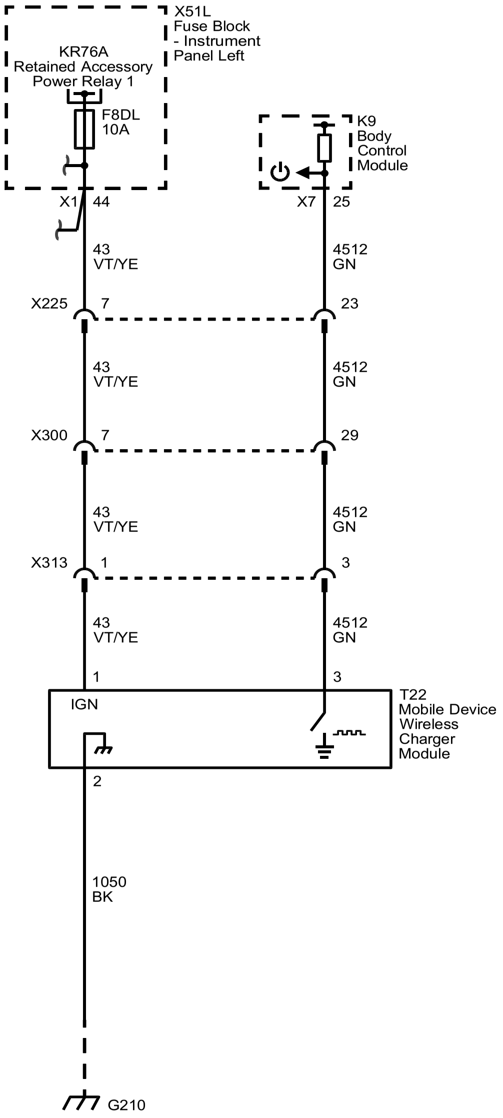
Cigar Lighter/Power Outlet Schematics (220-Volt Power Outlet (KI5 with D07/DCK))


L O C
D E S C
B+
X51R Fuse Block - Instrument Panel Right
F39DR 25A
X2 35
4140 RD/GY
X305 6
4140 RD/GY
6
B+
T1 Accessory DC/ AC Power Inverter Module
220V AC
12
3
7
10
11
6807 BU/BN
5683 BK
5684 RD
514 BARE
1050 BK
X305 12
2
7
10
11
6807 BU/BN
5683 BK
5684 RD
514 BARE
1050 BK
X300 25
26
X306 1
2
3
300 VT/BN
6807 BU/BN
5683 BK
5684 RD
514 BK/WH
X1 1
X2 1
X1 3
X2 3
X81B Accessory Power Receptacle - 220V AC
W7 Blunt Cut - Shield
G210
Auxiliary Battery Schematics
5W4/9C1
300 VT/BN
K9 Body Control Module
F38DR
X5 14
300 VT/BN
X1 33
X61A Junction Block - Instrument Panel
X5 18
300 VT/BN
NQH
300 VT/BN
Transfer Case Control Schematics
4690318

Cigar Lighter/Power Outlet Schematics (220-Volt Power Outlet (KI5 with AZ3))


L O C
D E S C
B+
X51R
Fuse Block -
Instrument
Panel Right
F39DR
25A
X2 35
4140
RD/GY
X305 6
4140
RD/GY
6
B+
T1
Accessory DC/
AC Power
Inverter Module
220V AC
12
3
7
10
11
Auxiliary
Battery
Schematics
5W4/9C1
300
VT/BN
K9
Body
Control
Module
F38DR
X5 14
300
VT/BN
X1 33
X61A
Junction
Block -
Instrument
Panel
X5 18
NQH
300
VT/BN
Transfer Case
Control
Schematics
300
VT/BN
6807
BU/BN
5683
BK
5684
RD
514
BARE
1050
BK
X305 12
2
7
10
11
6807
BU/BN
5683
BK
5684
RD
514
BARE
1050
BK
X1 1
X2 1
X1 3
X2 3
X81B
Accessory
Power
Receptacle -
220V AC
W7
Blunt Cut -
Shield
G210
4690321

Cigar Lighter/Power Outlet Schematics (Wireless Charging (K4C))


X51L
Fuse Block
- Instrument
Panel Left
KR76A
Retained Accessory
Power Relay 1
F8DL
10A
X1
44
43
VT/YE
K9
Body
Control
Module
X7
25
4512
GN
X225
7
23
43
VT/YE
4512
GN
X300
7
29
43
VT/YE
4512
GN
X313
1
3
43
VT/YE
4512
GN
1
3
IGN
T22
Mobile Device
Wireless
Charger
Module
2
1050
BK
G210

4690323

Description and Operation

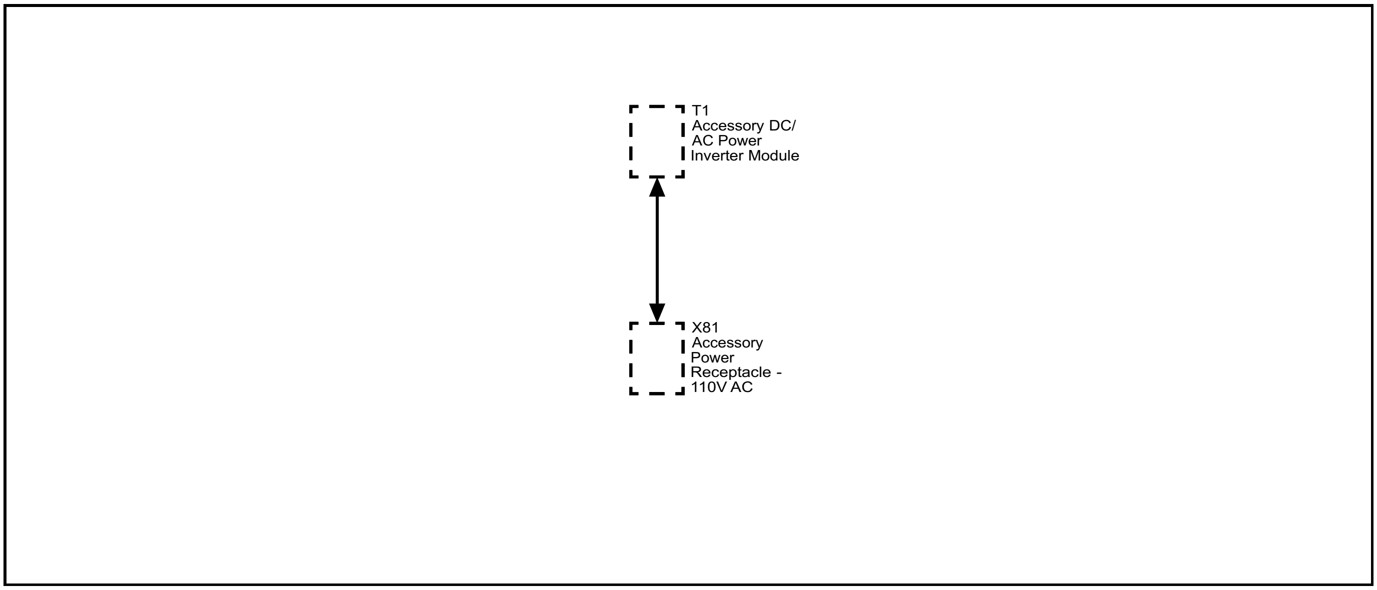
Power Outlets Description and Operation

12 Volt Power Outlet Receptacle Description and Operation

The vehicle is fitted with a 12 V accessory power receptacle. The accessory power receptacles are controlled by an ignition operated relay. The accessory power receptacles are operational when the ignition is turned to either the On or the Accessories positions. The X80G and E32 accessory power receptacles may be configured to be operational when the ignition is Off by changing the position of the 50A fuse from the F5DL position to the F6DL position in the left instrument panel fuse block.

110 Volt Power Outlet Receptacle System Description

Power Outlets Block Diagram



The alternating current (AC) accessory power outlet system consists of the accessory DC/AC power inverter module and the accessory power receptacle – 110 V AC. The accessory DC/AC power inverter module converts 12 V direct current (DC) battery power to 110 V at 60 Hertz (Hz) AC power to operate AC powered devices. The accessory DC/AC power inverter module provides up to 150 watts of power. The accessory power receptacle – 110 V AC provides the usual connection for AC powered devices.

110 Volt Power Outlet Receptacle System Operation

The accessory DC/AC power inverter module receives fuse protected battery voltage and is connected to the 12 V electrical system ground. The accessory power receptacle – 110 V AC has an internal switch, that detects when an AC powered device is plugged into the outlet. When the ignition is ON, and an AC powered device is plugged into the accessory power receptacle – 110 V AC, the normally open switch in the accessory power receptacle – 110 V AC, closes. When the accessory DC/AC power inverter module detects the voltage from the accessory power receptacle – 110 V AC switch, the inverter module begins to supply 110 V AC to the accessory power receptacle – 110 V AC after a 1.5 s delay. The accessory AC power system is protected against circuit overload and circuit shorts to ground.

110 Volt Power Outlet Receptacle Isolation Fault Protection

The accessory DC/AC power inverter module contains a ground fault circuit interrupter (GFCI). GFCI monitors the 110 V circuit for a short to vehicle chassis ground. If a 110 V AC short to ground is detected, the accessory DC/AC power inverter module will turn OFF. The module remains OFF, until the AC powered device is unplugged from the outlet, and then plugged into the outlet after a 3 s delay.

110 Volt Power Outlet Receptacle Overload Shutdown

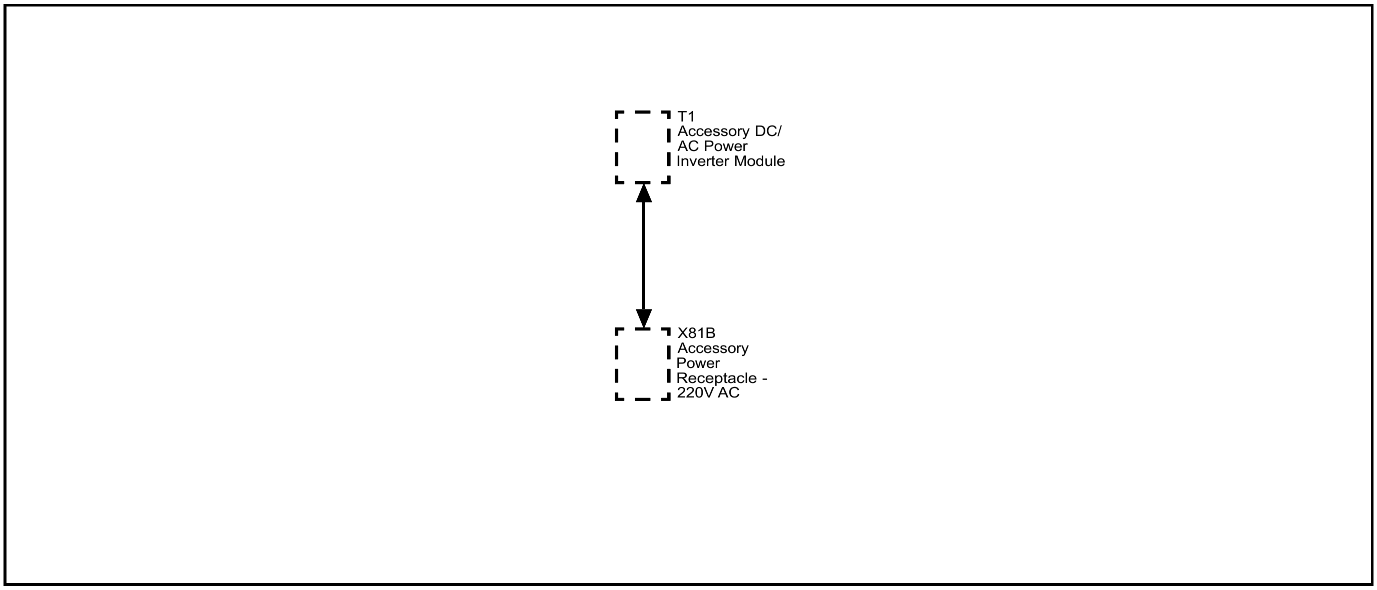
The accessory DC/AC power inverter module will turn OFF if the current in the 110 V circuit is greater than 3.8 A for 1 s , or 2.5 A for 10 s . The module will turn ON again, when the AC powered device is unplugged from the outlet, and then plugged into the outlet after a 3 s delay.

110 Volt Power Outlet Receptacle Internal Shutdown

The accessory DC/AC power inverter module will turn OFF if the B+ supply voltage is greater than 16.5 V or less than 11 V. The module will also turn OFF if the device temperature is greater than 85°C (185°F). The module will turn ON again, after the shutdown condition is corrected, and the AC powered device is unplugged from the outlet, and then plugged into the outlet.

230 Volt Power Outlet Receptacle System Description

Power Outlets Block Diagram


T1
Accessory DC/AC Power Inverter Module
X81B
Accessory Power Receptacle - 220V AC

3403853

The alternating current (AC) accessory power outlet system consists of the accessory DC/AC power inverter module and the accessory power receptacle – 220V AC. The accessory DC/AC power inverter module converts 12 V direct current (DC) battery power to 220–230 V at 50 Hertz (Hz) AC power to operate AC powered devices. The accessory DC/AC power inverter module provides up to 150 watts of power. The accessory power receptacle – 220V AC provides the usual connection for AC powered devices.

230 Volt Power Outlet Receptacle System Operation

The accessory DC/AC power inverter module receives fuse protected battery voltage and is connected to the 12 V electrical system ground. The accessory power receptacle – 220V AC has an internal switch, that detects when an AC powered device is plugged into the outlet. When the ignition is ON, and an AC powered device is plugged into the accessory power receptacle – 220V AC, the normally open switch in the accessory power receptacle – 220V AC, closes. When the accessory DC/AC power inverter module detects the voltage from the accessory power receptacle – 220V AC switch, the inverter module begins to supply 220–230 V AC to the accessory power receptacle – 220V AC after a 1.5 second delay. The accessory AC power system is protected against circuit overload and circuit shorts to ground.

230 Volt Power Outlet Receptacle Isolation Fault Protection

The accessory DC/AC power inverter module contains a ground fault circuit interrupter (GFCI). GFCI monitors the 230 V circuit for a short to vehicle chassis ground. If a 230 V AC short to ground is detected, the accessory DC/AC power inverter module will turn OFF. The module remains OFF, until the AC powered device is unplugged from the outlet, and then plugged into the outlet after a 3 s delay.

230 Volt Power Outlet Receptacle Overload Shutdown

The accessory AC/DC power control module will turn OFF if the current in the 230 V circuit is greater than 3.8 A for 1 second, or 2.5 A for 10 seconds. The module will turn ON again, when the AC powered device is unplugged from the outlet, and then plugged into the outlet after a 3 second delay.

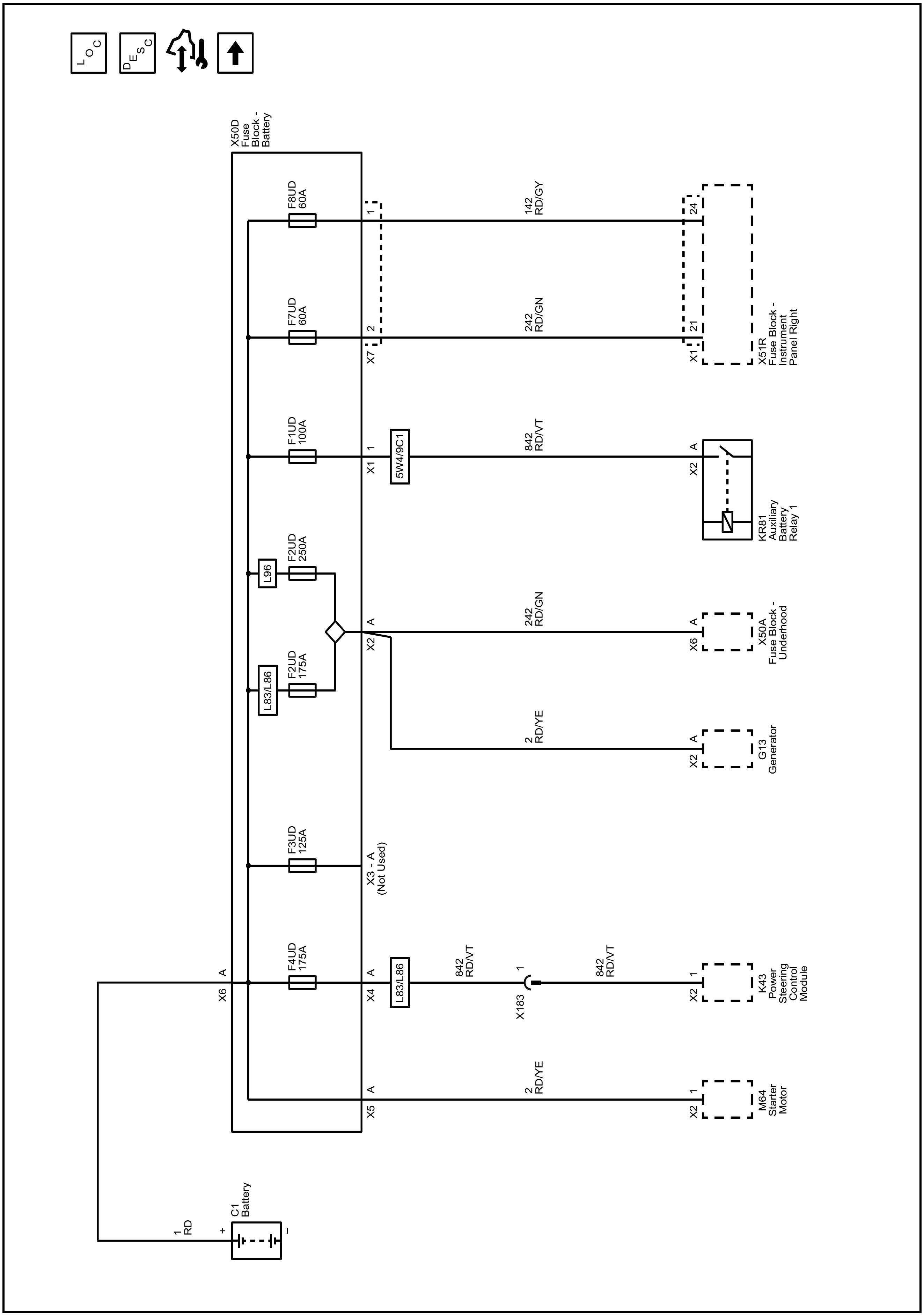
230 Volt Power Outlet Receptacle Internal Shutdown

The accessory DC/AC power inverter module will turn OFF if the B+ supply voltage is greater than 16.5 V or less than 11 V. The module will also turn OFF if the device temperature is greater than 85°C (185°F). The module will turn ON again, after the shutdown condition is corrected, and the AC powered device is unplugged from the accessory power receptacle – 220V AC, and then plugged into the accessory power receptacle – 220V AC.

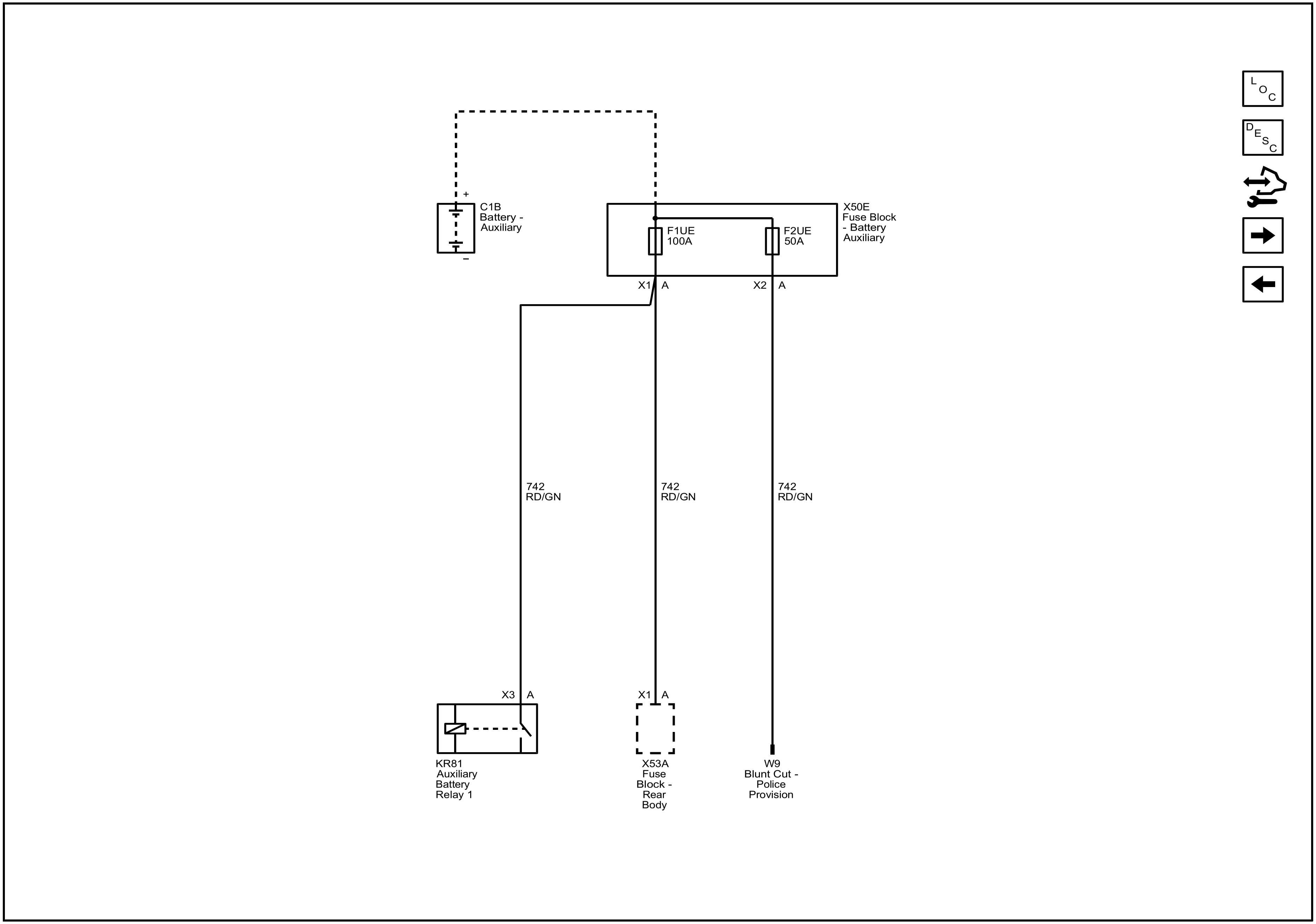
Wiring Systems and Power Management

Schematic and Routing Diagrams

Power Distribution Schematics (X50D Fuse Block - Battery)

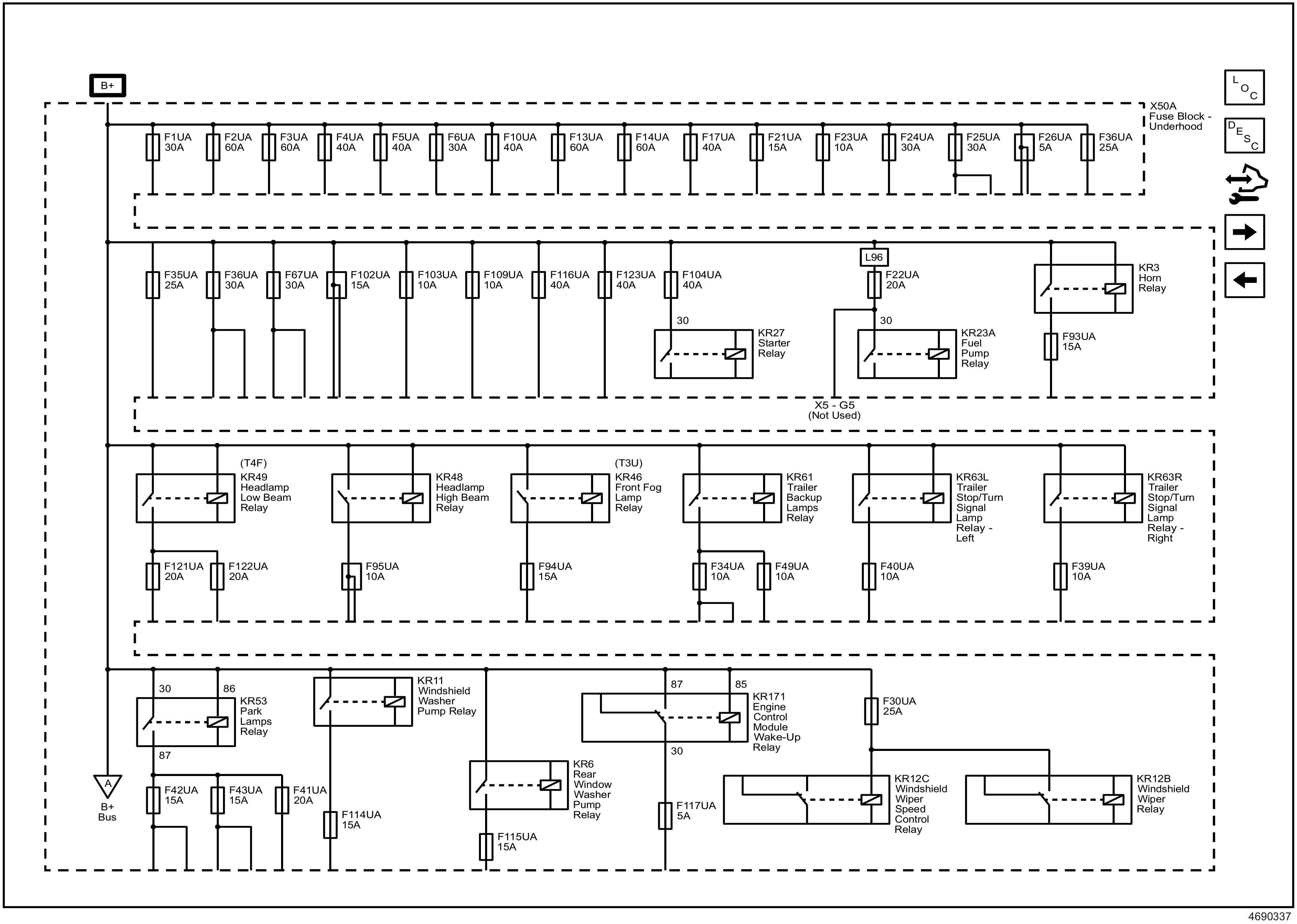

4690327
LOC
DESC
X50D Fuse Block - Battery
F8UD 60A
F7UD 60A
F1UD 100A
F2UD 250A
L96
F2UD 175A
L83/L86
F3UD 125A
F4UD 175A
X7 1
X7 2
X1 1
5W4/9C1
X2 A
X3 - A (Not Used)
X4 A
L83/L86
X5 A
X6 A
142 RD/GY
242 RD/GN
842 RD/VT
242 RD/GN
2 RD/YE
842 RD/VT
X183 1
842 RD/VT
2 RD/YE
X1 24
X1 21
X51R Fuse Block - Instrument Panel Right
X2 A
KR81 Auxiliary Battery Relay 1
X6 A
X50A Fuse Block - Underhood
X2 A
G13 Generator
X2 1
K43 Power Steering Control Module
X2 1
M64 Starter Motor
1 RD
+
-
C1 Battery

Power Distribution Schematics (X50E Fuse Block - Battery Auxiliary (5W4 or 9C1))

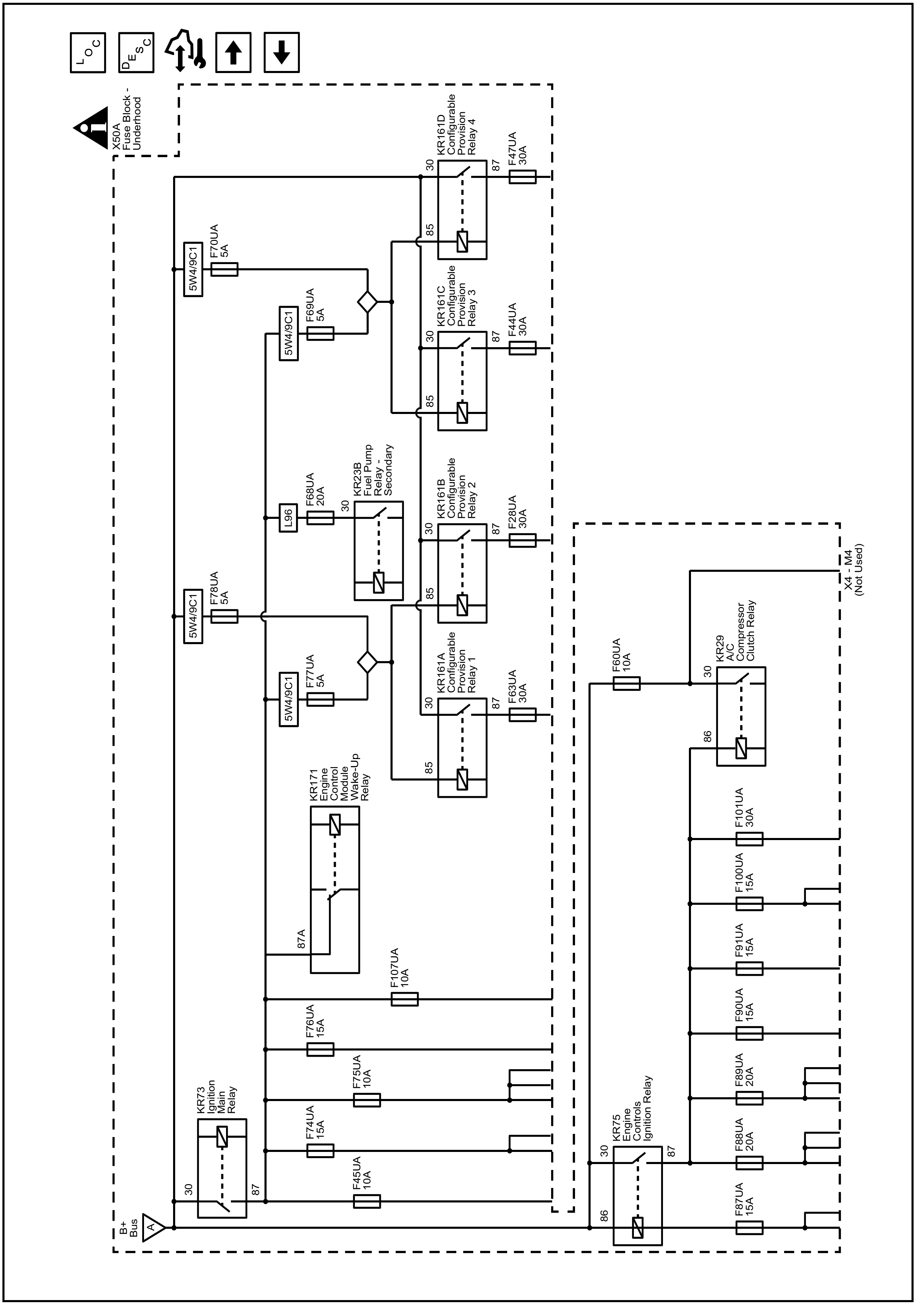

L O C
D E S C
C1B
Battery -
Auxiliary
+
–
X50E
Fuse Block
- Battery
Auxiliary
F1UE
100A
F2UE
50A
X1 A
X2 A
742
RD/GN
742
RD/GN
742
RD/GN
X3 A
X1 A
KR81
Auxiliary
Battery
Relay 1
X53A
Fuse
Block -
Rear
Body
W9
Blunt Cut -
Police
Provision

4690330

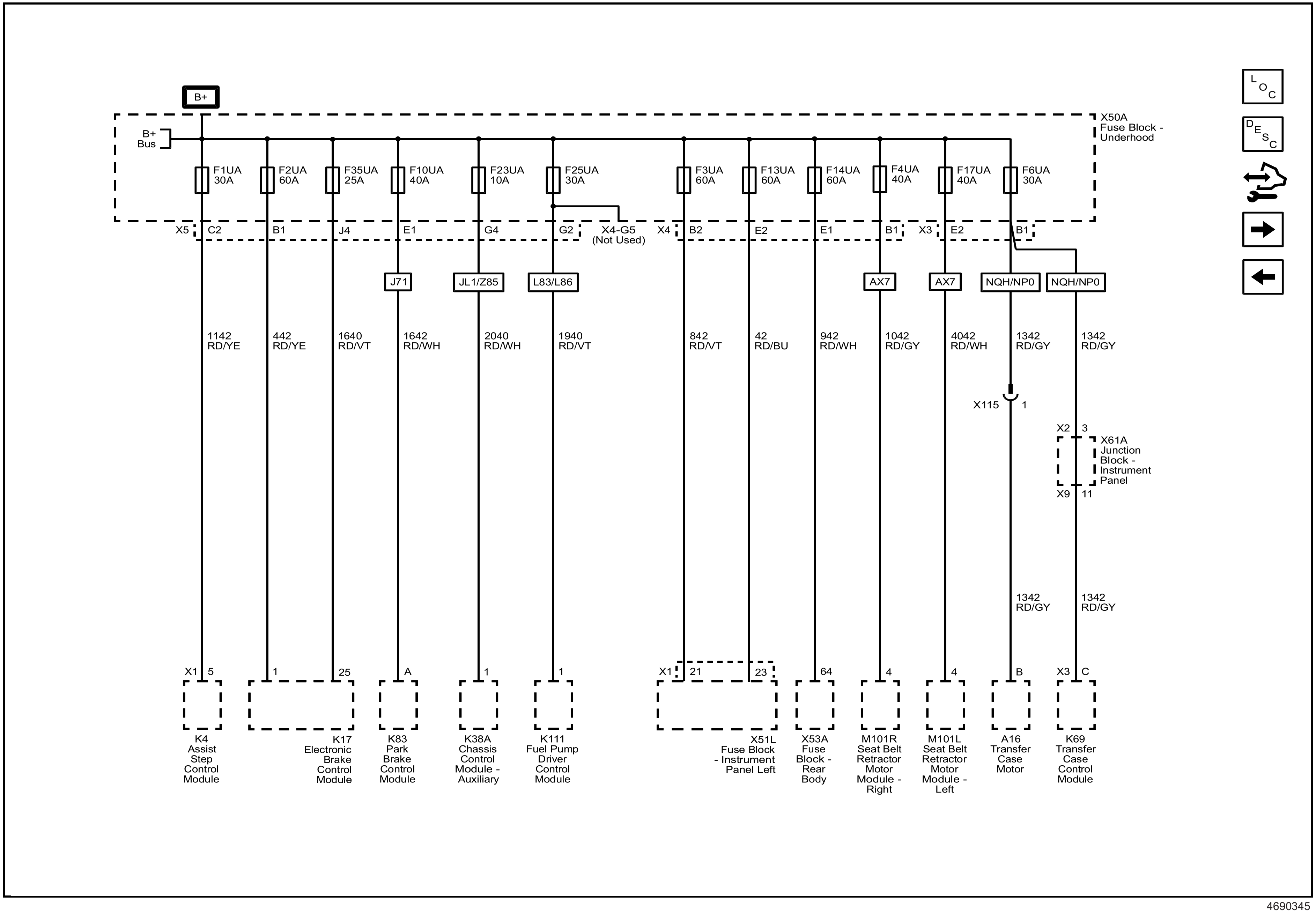
Power Distribution Schematics (B+ Bus X50A Fuse Block - Underhood (1 of 2))


B+
X50A
Fuse Block -
Underhood
F1UA 30A
F2UA 60A
F3UA 60A
F4UA 40A
F5UA 40A
F6UA 30A
F10UA 40A
F13UA 60A
F14UA 60A
F17UA 40A
F21UA 15A
F23UA 10A
F24UA 30A
F25UA 30A
F26UA 5A
F36UA 25A
F35UA 25A
F36UA 30A
F67UA 30A
F102UA 15A
F103UA 10A
F109UA 10A
F116UA 40A
F123UA 40A
F104UA 40A
30
KR27
Starter
Relay
L96
F22UA 20A
30
KR23A
Fuel
Pump
Relay
KR3
Horn
Relay
F93UA 15A
X5 - G5
(Not Used)
(T4F)
KR49
Headlamp
Low Beam
Relay
KR48
Headlamp
High Beam
Relay
(T3U)
KR46
Front Fog
Lamp
Relay
KR61
Trailer
Backup
Lamps
Relay
KR63L
Trailer
Stop/Turn
Signal
Lamp
Relay -
Left
KR63R
Trailer
Stop/Turn
Signal
Lamp
Relay -
Right
F121UA 20A
F122UA 20A
F95UA 10A
F94UA 15A
F34UA 10A
F49UA 10A
F40UA 10A
F39UA 10A
30
86
KR53
Park
Lamps
Relay
87
KR11
Windshield
Washer
Pump Relay
87
85
KR171
Engine
Control
Module
Wake-Up
Relay
30
F30UA 25A
A
B+
Bus
F42UA 15A
F43UA 15A
F41UA 20A
F114UA 15A
KR6
Rear
Window
Washer
Pump
Relay
F115UA 15A
F117UA 5A
KR12C
Windshield
Wiper
Speed
Control
Relay
KR12B
Windshield
Wiper
Relay
LOC
DESC
4690337

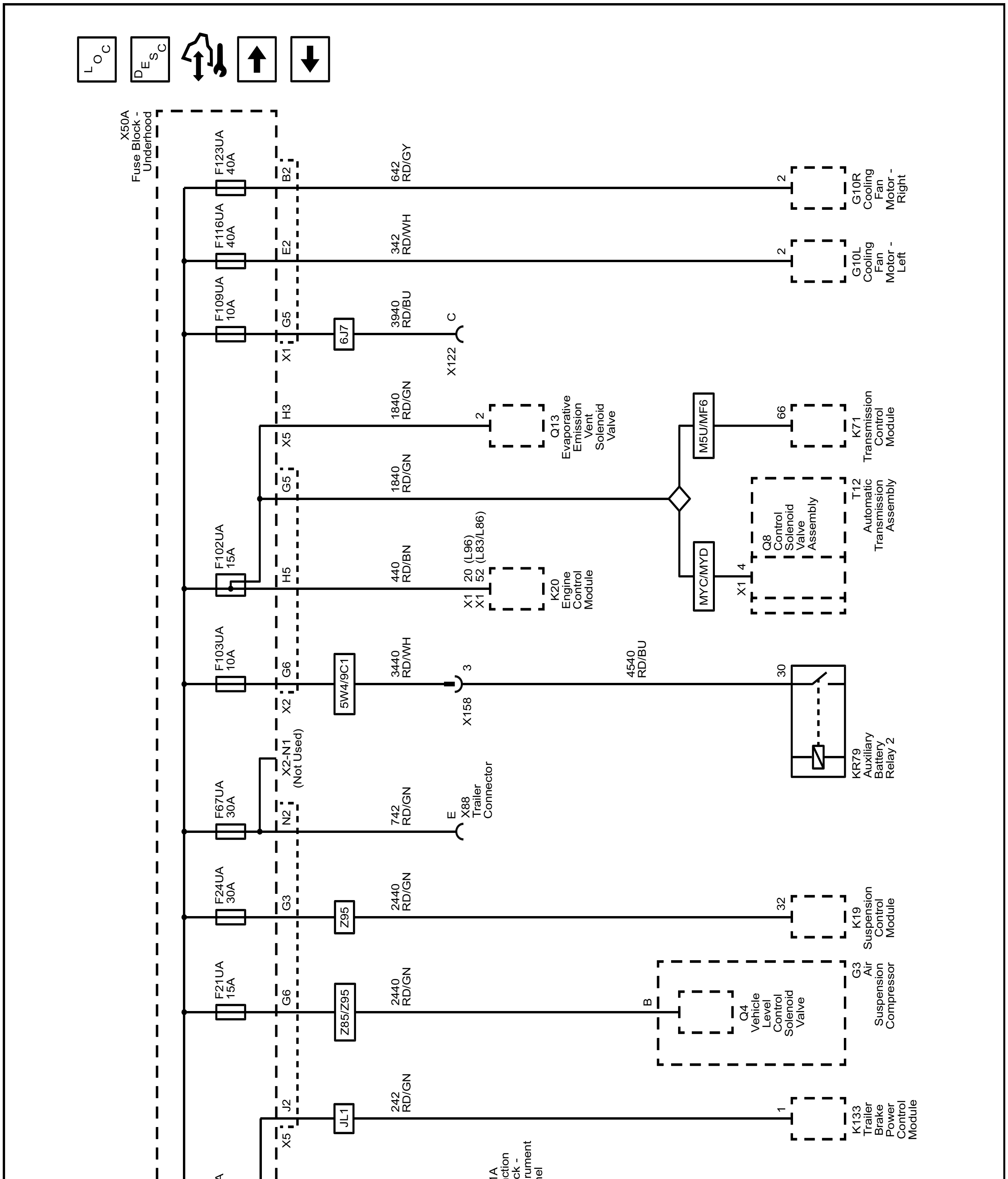
Power Distribution Schematics (B+ Bus X50A Fuse Block - Underhood (2 of 2))


4690340
X50A Fuse Block - Underhood
B+ Bus
A
KR73 Ignition Main Relay
30
87
F45UA 10A
F74UA 15A
F75UA 10A
F76UA 15A
F107UA 10A
KR171 Engine Control Module Wake-Up Relay
87A
5W4/9C1
F77UA 5A
5W4/9C1
F78UA 5A
L96
F68UA 20A
KR23B Fuel Pump Relay - Secondary
30
5W4/9C1
F69UA 5A
5W4/9C1
F70UA 5A
KR161A Configurable Provision Relay 1
30
85
87
F63UA 30A
KR161B Configurable Provision Relay 2
30
85
87
F28UA 30A
KR161C Configurable Provision Relay 3
30
85
87
F44UA 30A
KR161D Configurable Provision Relay 4
30
85
87
F47UA 30A
KR75 Engine Controls Ignition Relay
86
30
87
F60UA 10A
KR29 A/C Compressor Clutch Relay
30
86
F87UA 15A
F88UA 20A
F89UA 20A
F90UA 15A
F91UA 15A
F100UA 15A
F101UA 30A
X4 - M4 (Not Used)

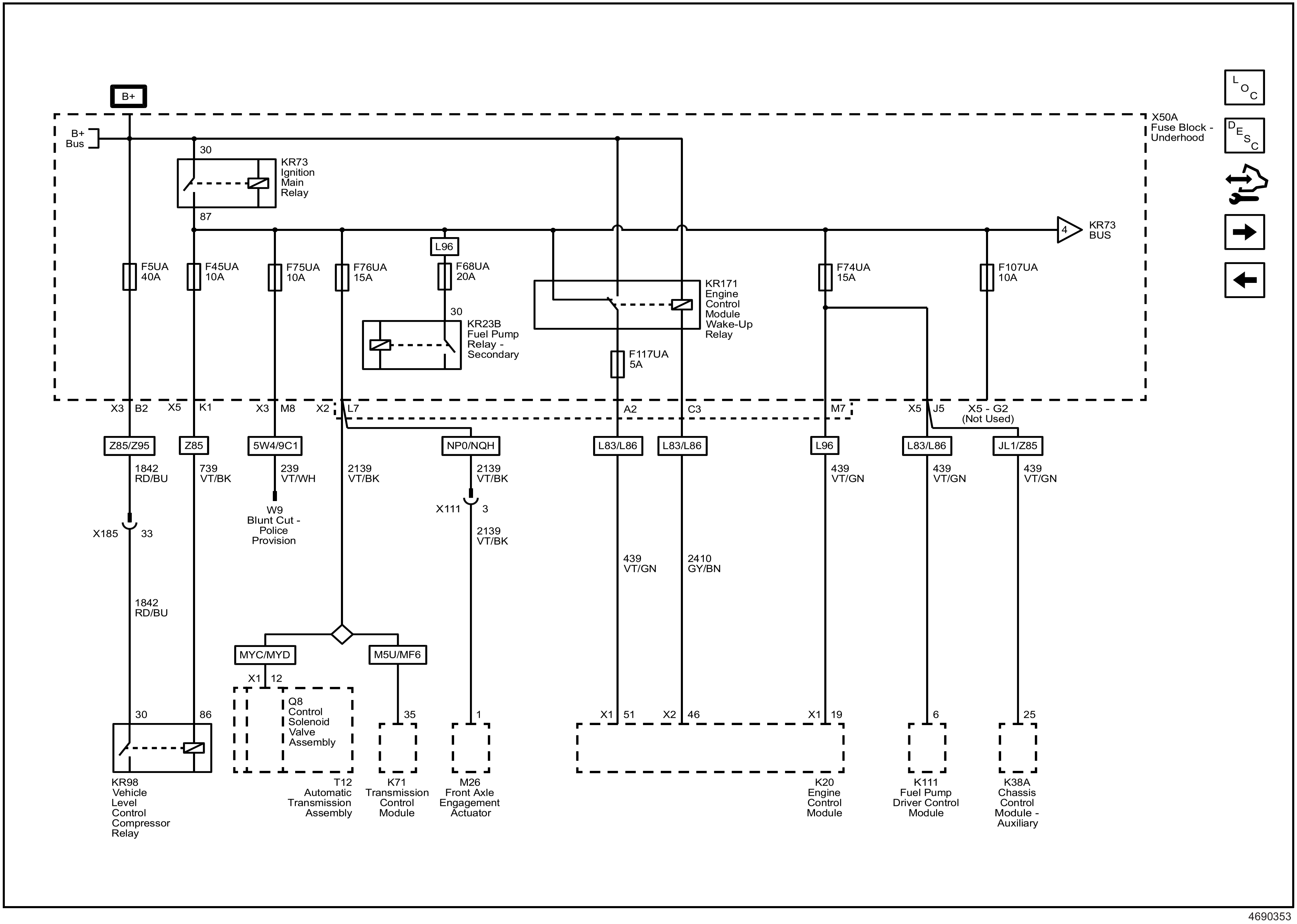
Power Distribution Schematics (F1UA, F2UA, F3UA, F4UA, F6UA, F10UA, F13UA, F14UA, F17UA, F23UA, F25UA, and F35UA)


B+
B+ Bus
X50A Fuse Block - Underhood
F1UA 30A
F2UA 60A
F35UA 25A
F10UA 40A
F23UA 10A
F25UA 30A
F3UA 60A
F13UA 60A
F14UA 60A
F4UA 40A
F17UA 40A
F6UA 30A
X5
C2
B1
J4
E1
G4
G2
X4-G5 (Not Used)
X4
B2
E2
E1
B1
X3
E2
B1
J71
JL1/Z85
L83/L86
AX7
AX7
NQH/NP0
NQH/NP0
1142 RD/YE
442 RD/YE
1640 RD/VT
1642 RD/WH
2040 RD/WH
1940 RD/VT
842 RD/VT
42 RD/BU
942 RD/WH
1042 RD/GY
4042 RD/WH
1342 RD/GY
1342 RD/GY
X115
1
X2
3
X61A Junction Block - Instrument Panel
X9
11
1342 RD/GY
1342 RD/GY
X1
5
1
25
A
1
1
X1
21
23
64
4
4
B
X3
C
K4 Assist Step Control Module
K17 Electronic Brake Control Module
K83 Park Brake Control Module
K38A Chassis Control Module - Auxiliary
K111 Fuel Pump Driver Control Module
X51L Fuse Block - Instrument Panel Left
X53A Fuse Block - Rear Body
M101R Seat Belt Retractor Motor Module - Right
M101L Seat Belt Retractor Motor Module - Left
A16 Transfer Case Motor
K69 Transfer Case Control Module
LOC
DESC
4690345

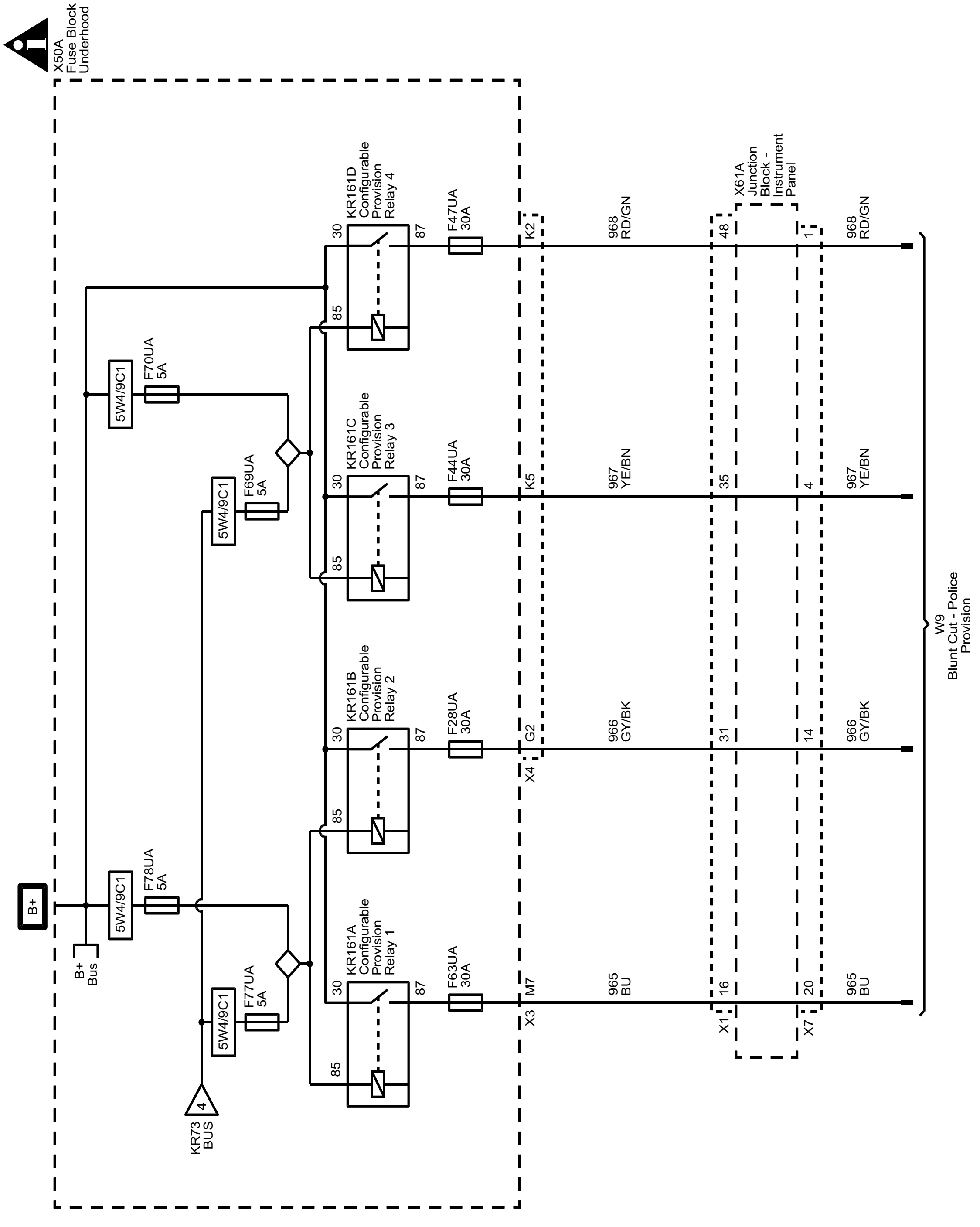
Power Distribution Schematics (F21UA, F24UA, F26UA, F36UA, F67UA, F103UA, F102UA, F109UA, F116UA and F123UA)


LOC
DESC
X50A Fuse Block - Underhood
B+
B+ Bus
F123UA 40A
B2
642 RD/GY
2
G10R Cooling Fan Motor - Right
F116UA 40A
E2
342 RD/WH
2
G10L Cooling Fan Motor - Left
F109UA 10A
X1 G5
6J7
3940 RD/BU
C
X122
X5 H3
1840 RD/GN
2
Q13 Evaporative Emission Vent Solenoid Valve
G5
1840 RD/GN
M5U/MF6
66
K71 Transmission Control Module
MYC/MYD
X1 4
Q8 Control Solenoid Valve Assembly
T12 Automatic Transmission Assembly
F102UA 15A
H5
440 RD/BN
X1 20 (L96)
X1 52 (L83/L86)
K20 Engine Control Module
F103UA 10A
X2 G6
5W4/9C1
3440 RD/WH
3
X158
4540 RD/BU
30
KR79 Auxiliary Battery Relay 2
X2-N1 (Not Used)
F67UA 30A
N2
742 RD/GN
E
X88 Trailer Connector
F24UA 30A
G3
Z95
2440 RD/GN
32
K19 Suspension Control Module
F21UA 15A
G6
Z85/Z95
2440 RD/GN
B
Q4 Vehicle Level Control Solenoid Valve
G3 Air Suspension Compressor
X5 J2
JL1
242 RD/GN
1
K133 Trailer Brake Power Control Module
F36UA 30A
H5
242 RD/GN
X2 35
X61A Junction Block - Instrument Panel
C X6
~JL1
242 RD/GN
W24 Blunt Cut - Trailer Brakes Provision
F26UA 5A
X4 M1
2340 RD/YE
X4 20
K9 Body Control Module
X2-L6 (Not Used)
4690349

Power Distribution Schematics (F5UA, F45UA, F68UA, F74UA, F75UA, F76UA and F107UA)

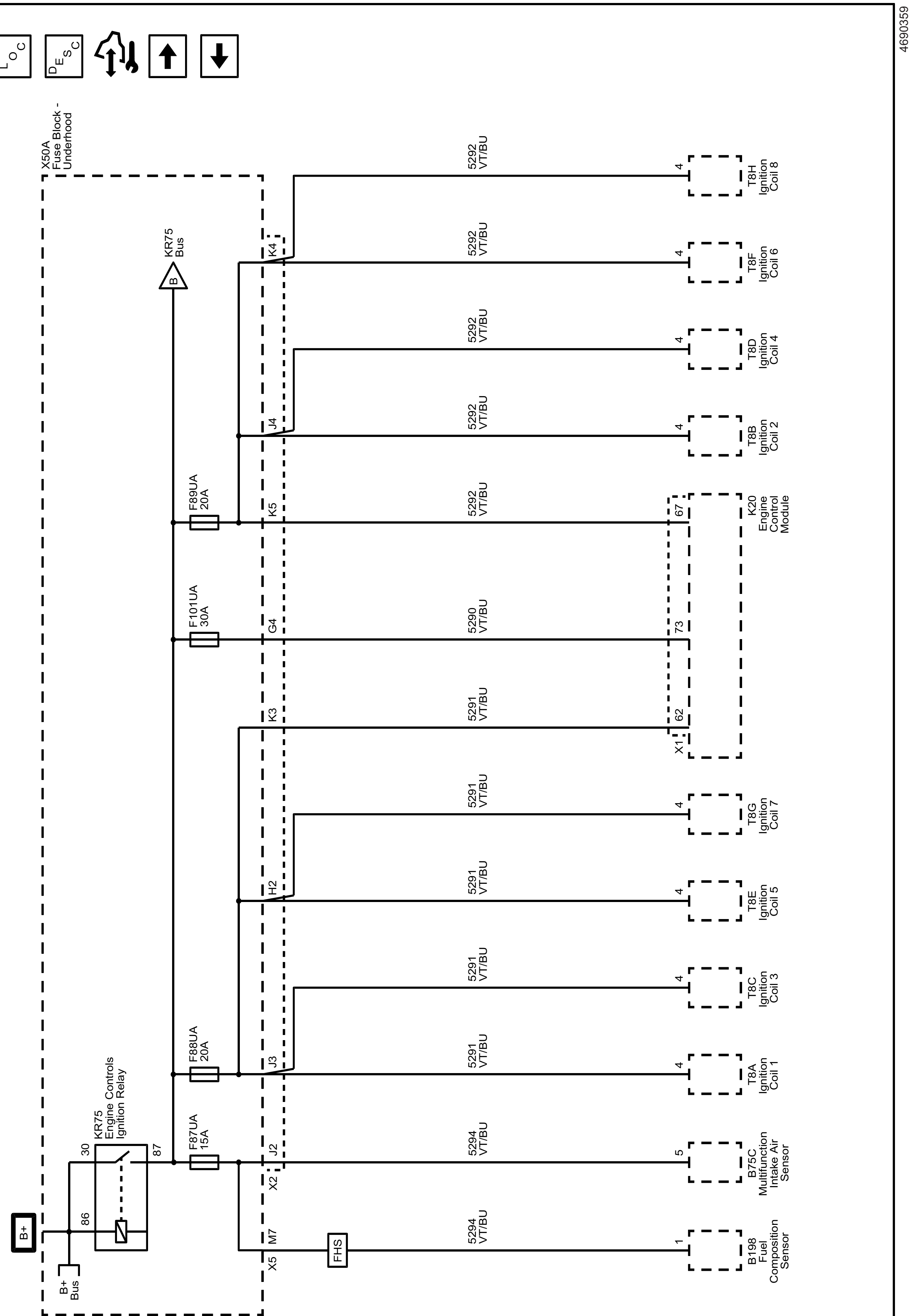

L O C
D E S C
B+
B+ Bus
X50A Fuse Block - Underhood
30
KR73 Ignition Main Relay
87
KR73 BUS
4
F5UA 40A
F45UA 10A
F75UA 10A
F76UA 15A
L96
F68UA 20A
30
KR23B Fuel Pump Relay - Secondary
KR171 Engine Control Module Wake-Up Relay
F117UA 5A
F74UA 15A
F107UA 10A
X3 B2
X5 K1
X3 M8
X2 L7
A2
C3
M7
X5 J5
X5 - G2 (Not Used)
Z85/Z95
Z85
5W4/9C1
NP0/NQH
L83/L86
L83/L86
L96
L83/L86
JL1/Z85
1842 RD/BU
739 VT/BK
239 VT/WH
2139 VT/BK
2139 VT/BK
439 VT/GN
439 VT/GN
439 VT/GN
W9 Blunt Cut - Police Provision
X111 3
2139 VT/BK
X185 33
439 VT/GN
2410 GY/BN
1842 RD/BU
MYC/MYD
M5U/MF6
X1 12
Q8 Control Solenoid Valve Assembly
30
86
35
1
X1 51
X2 46
X1 19
6
25
KR98 Vehicle Level Control Compressor Relay
T12 Automatic Transmission Assembly
K71 Transmission Control Module
M26 Front Axle Engagement Actuator
K20 Engine Control Module
K111 Fuel Pump Driver Control Module
K38A Chassis Control Module - Auxiliary
4690353

Power Distribution Schematics (F28UA, F44UA, F47UA, F63UA, F69UA, F70UA, F77UA and F78UA (5W4 or 9C1))

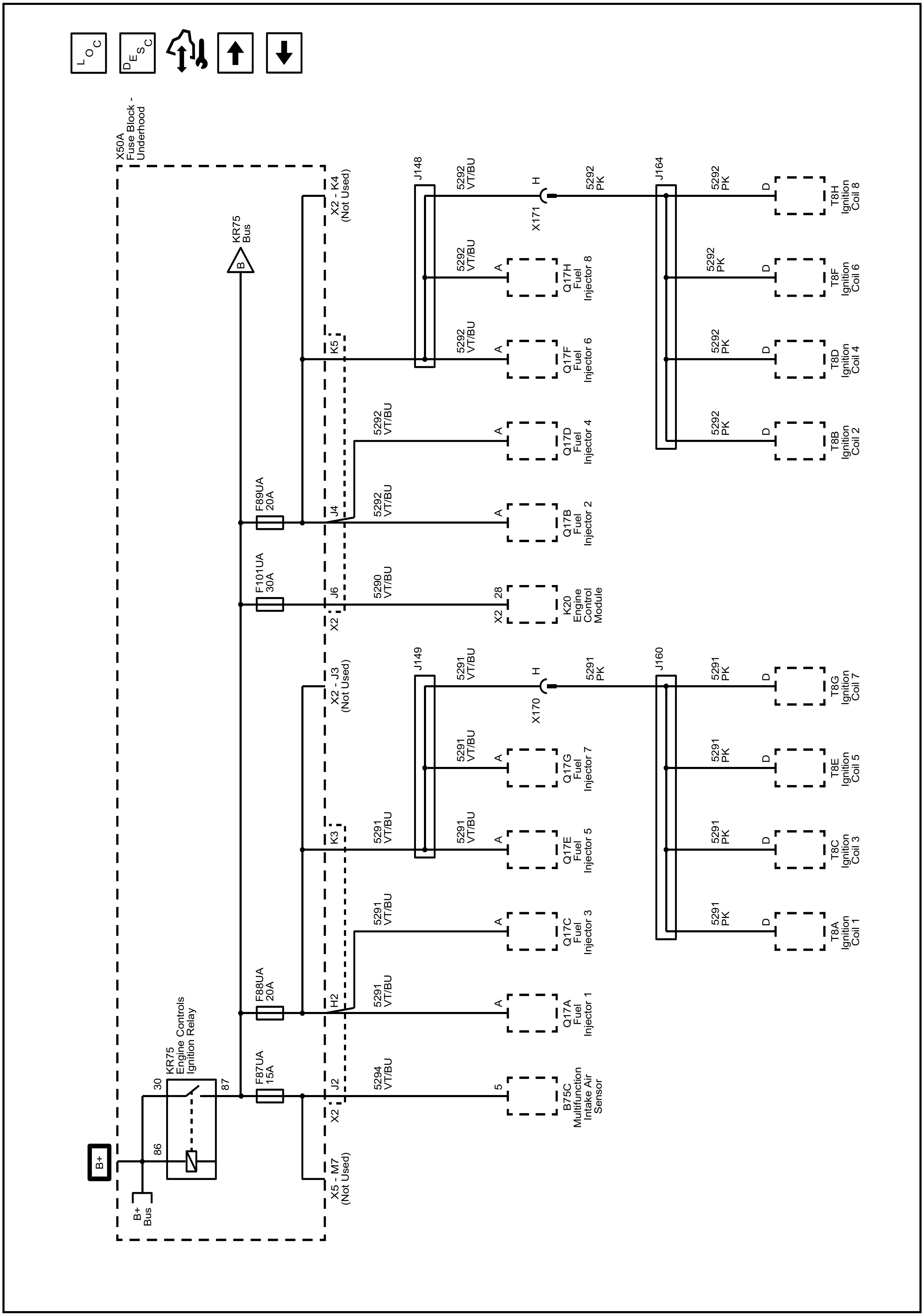

X50A
Fuse Block - Underhood
B+
B+ Bus
5W4/9C1
F78UA 5A
5W4/9C1
F70UA 5A
5W4/9C1
F69UA 5A
5W4/9C1
F77UA 5A
4
KR73 BUS
KR161A Configurable Provision Relay 1
KR161B Configurable Provision Relay 2
KR161C Configurable Provision Relay 3
KR161D Configurable Provision Relay 4
30
85
87
F63UA 30A
F28UA 30A
F44UA 30A
F47UA 30A
X3
M7
X4
G2
K5
K2
965 BU
966 GY/BK
967 YE/BN
968 RD/GN
X61A
Junction Block - Instrument Panel
X1
16
31
35
48
X7
20
14
4
1
965 BU
966 GY/BK
967 YE/BN
968 RD/GN
W9
Blunt Cut - Police Provision

4690356

Power Distribution Schematics (F87UA, F88UA, F89UA and F101UA (L83 or L86))

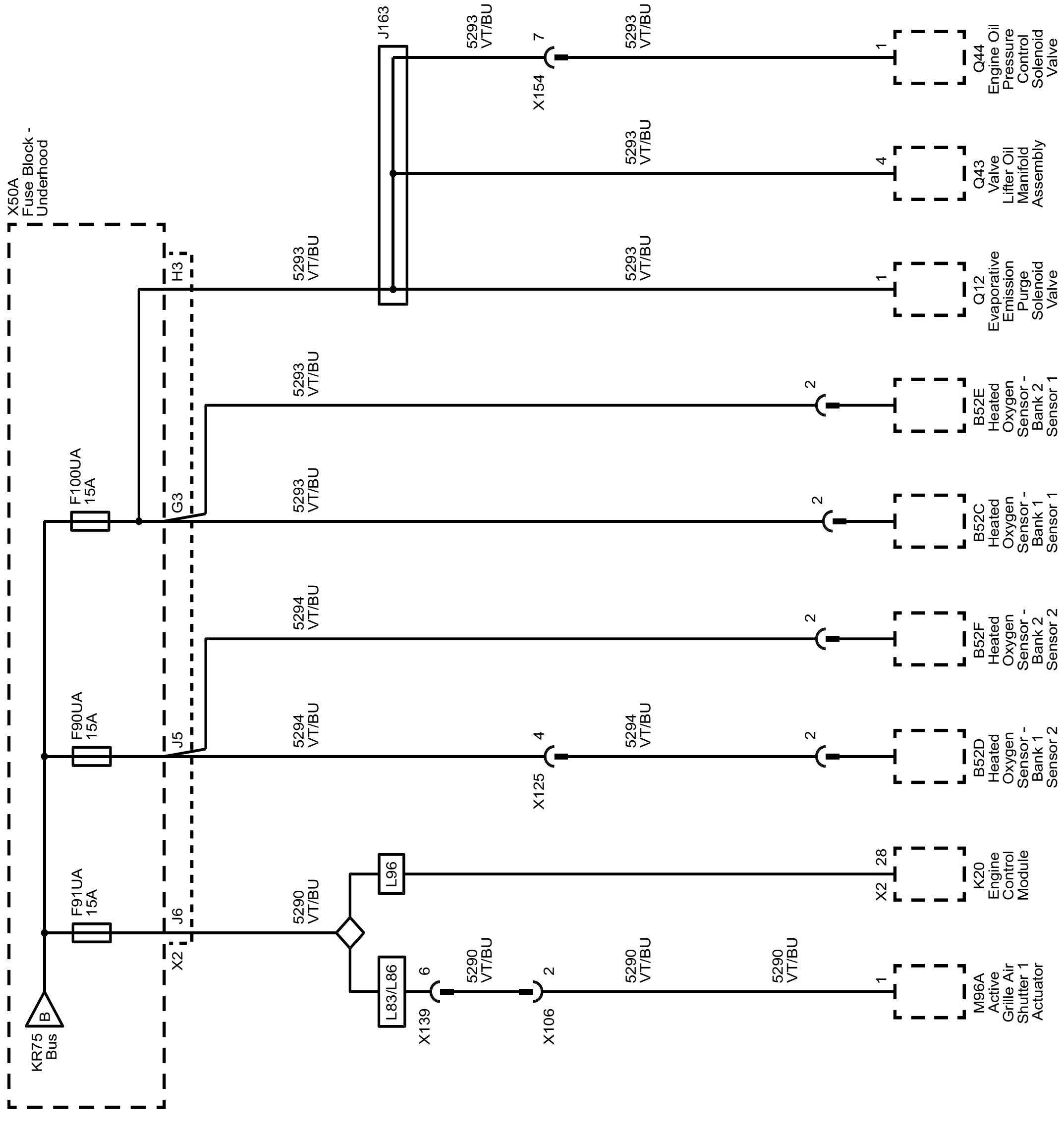

4690359
X50A
Fuse Block - Underhood
B+
B+ Bus
86
30
KR75
Engine Controls
Ignition Relay
87
KR75
Bus
B
F87UA
15A
F88UA
20A
F101UA
30A
F89UA
20A
X5
M7
X2
J2
J3
H2
K3
G4
K5
J4
K4
FHS
5294
VT/BU
5291
VT/BU
5290
VT/BU
5292
VT/BU
1
5
4
62
73
67
X1
B198
Fuel
Composition
Sensor
B75C
Multifunction
Intake Air
Sensor
T8A
Ignition
Coil 1
T8C
Ignition
Coil 3
T8E
Ignition
Coil 5
T8G
Ignition
Coil 7
K20
Engine
Control
Module
T8B
Ignition
Coil 2
T8D
Ignition
Coil 4
T8F
Ignition
Coil 6
T8H
Ignition
Coil 8

Power Distribution Schematics (F87UA, F88UA, F89UA and F101UA (L96))

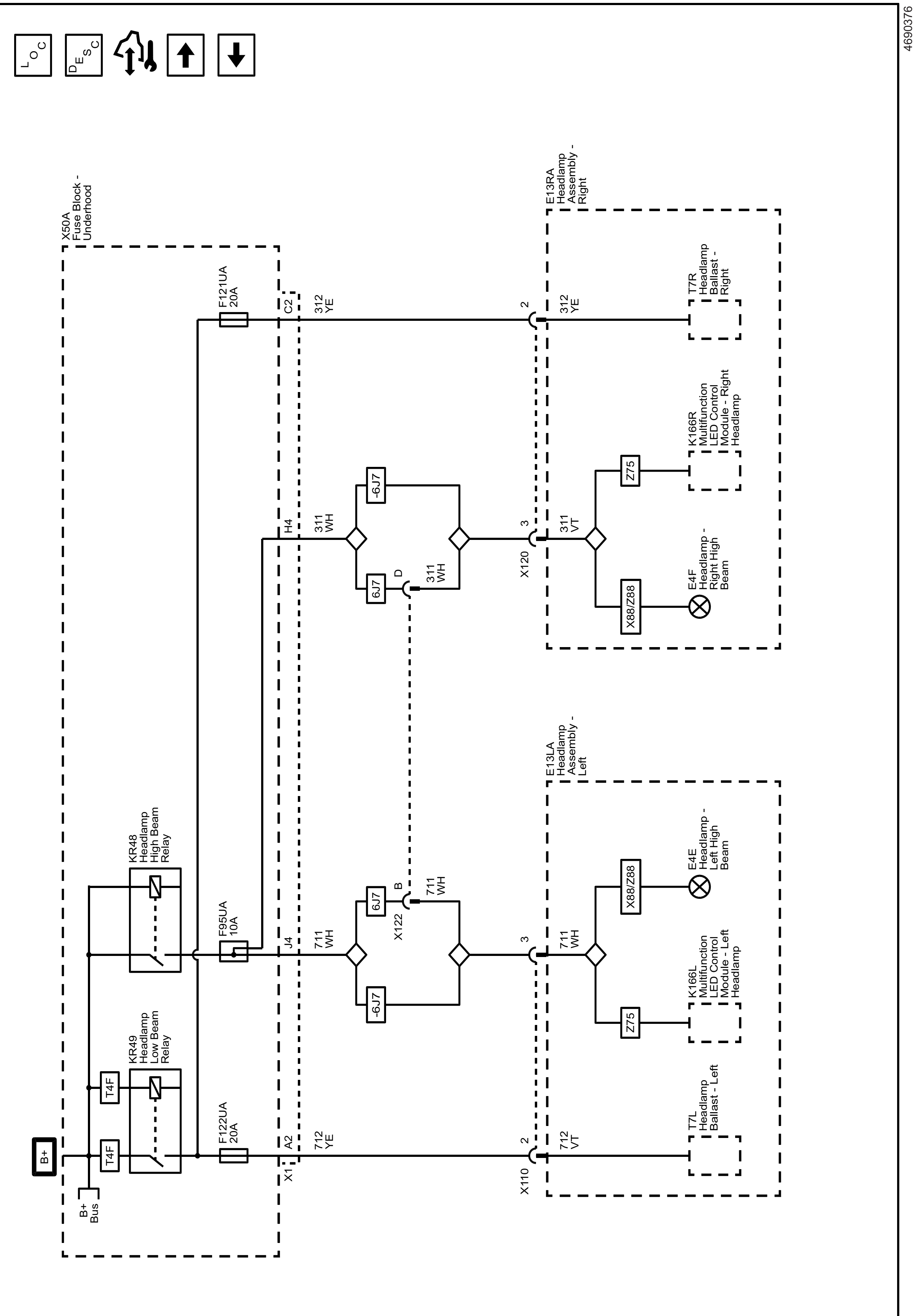

4690365
LOC
DESC
X50A Fuse Block - Underhood
B+
B+ Bus
KR75 Engine Controls Ignition Relay
30
86
87
KR75 Bus
B
F87UA 15A
F88UA 20A
F101UA 30A
F89UA 20A
X5 - M7 (Not Used)
X2
J2
H2
K3
X2 - J3 (Not Used)
X2
J6
J4
K5
X2 - K4 (Not Used)
5294 VT/BU
5291 VT/BU
5290 VT/BU
5292 VT/BU
5291 PK
5292 PK
5
B75C Multifunction Intake Air Sensor
A
Q17A Fuel Injector 1
Q17C Fuel Injector 3
Q17E Fuel Injector 5
Q17G Fuel Injector 7
X2 28
K20 Engine Control Module
Q17B Fuel Injector 2
Q17D Fuel Injector 4
Q17F Fuel Injector 6
Q17H Fuel Injector 8
J149
J148
H
X170
X171
J160
J164
D
T8A Ignition Coil 1
T8C Ignition Coil 3
T8E Ignition Coil 5
T8G Ignition Coil 7
T8B Ignition Coil 2
T8D Ignition Coil 4
T8F Ignition Coil 6
T8H Ignition Coil 8

Power Distribution Schematics (F90UA, F91UA and F100UA)

4690371

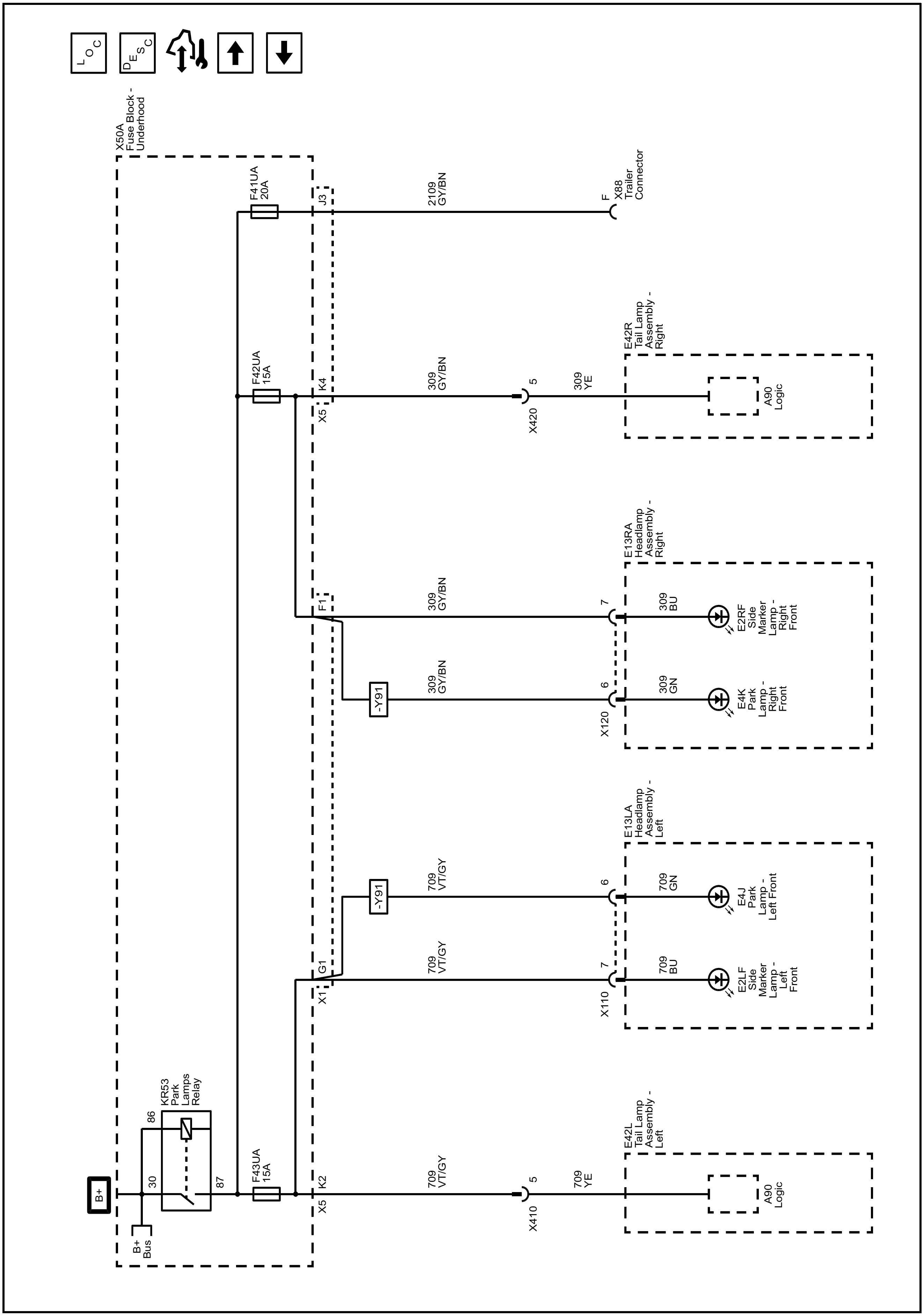

X50A
Fuse Block - Underhood
KR75
Bus
B
F100UA
15A
F90UA
15A
F91UA
15A
H3
G3
J5
J6
X2
J163
L96
L83/L86
5293
VT/BU
5294
VT/BU
5290
VT/BU
7
X154
4
X125
6
X139
2
X106
1
Q44
Engine Oil Pressure Control Solenoid Valve
4
Q43
Valve Lifter Oil Manifold Assembly
1
Q12
Evaporative Emission Purge Solenoid Valve
2
B52E
Heated Oxygen Sensor - Bank 2 Sensor 1
2
B52C
Heated Oxygen Sensor - Bank 1 Sensor 1
2
B52F
Heated Oxygen Sensor - Bank 2 Sensor 2
2
B52D
Heated Oxygen Sensor - Bank 1 Sensor 2
X2 28
K20
Engine Control Module
1
M96A
Active Grille Air Shutter 1 Actuator

Power Distribution Schematics (F95UA, F121UA and F122UA)

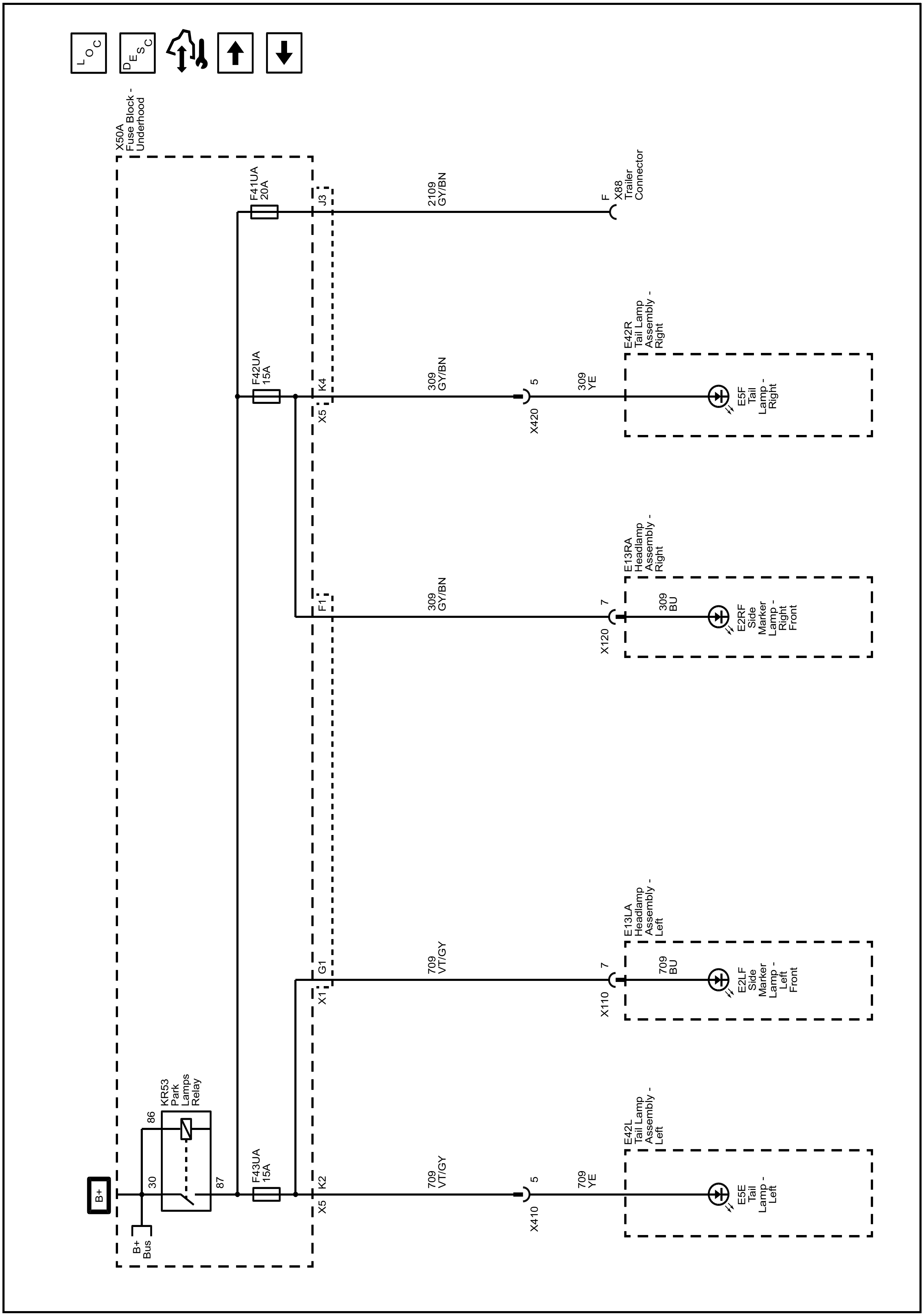


4690376
X50A Fuse Block - Underhood
B+
B+ Bus
T4F
T4F
KR49 Headlamp Low Beam Relay
KR48 Headlamp High Beam Relay
F122UA 20A
F95UA 10A
F121UA 20A
X1
A2
J4
H4
C2
712 YE
711 WH
311 WH
312 YE
-6J7
6J7
6J7
-6J7
B
X122
711 WH
D
311 WH
X110
2
3
X120
3
2
712 VT
711 VT
711 WH
311 VT
312 YE
E13LA Headlamp Assembly - Left
E13RA Headlamp Assembly - Right
X88/Z88
Z75
X88/Z88
Z75
E4E Headlamp - Left High Beam
K166L Multifunction LED Control Module - Left Headlamp
T7L Headlamp Ballast - Left
E4F Headlamp - Right High Beam
K166R Multifunction LED Control Module - Right Headlamp
T7R Headlamp Ballast - Right

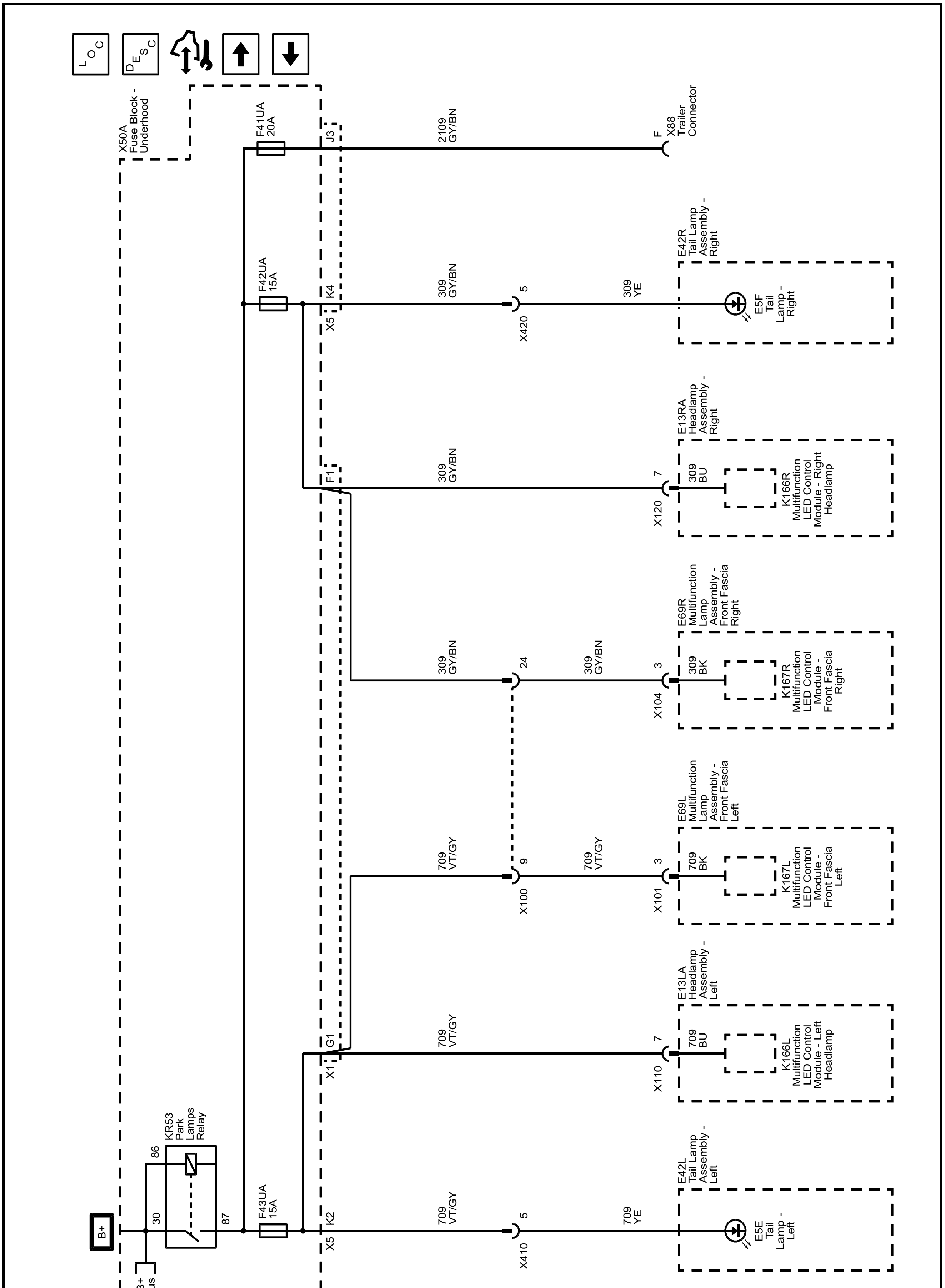
Power Distribution Schematics (F41UA, F42UA and F43UA (X88))


4690380
LOC
DESC
X50A Fuse Block - Underhood
B+
B+ Bus
30
86
87
KR53 Park Lamps Relay
F43UA 15A
X5
K2
709 VT/GY
5
X410
709 YE
E42L Tail Lamp Assembly - Left
A90 Logic
X1
G1
709 VT/GY
7
X110
709 BU
E2LF Side Marker Lamp - Left Front
-Y91
709 VT/GY
6
709 GN
E4J Park Lamp - Left Front
E13LA Headlamp Assembly - Left
F1
309 GY/BN
-Y91
309 GY/BN
6
X120
309 GN
E4K Park Lamp - Right Front
7
309 BU
E2RF Side Marker Lamp - Right Front
E13RA Headlamp Assembly - Right
F42UA 15A
X5
K4
309 GY/BN
5
X420
309 YE
E42R Tail Lamp Assembly - Right
A90 Logic
F41UA 20A
J3
2109 GY/BN
F
X88 Trailer Connector

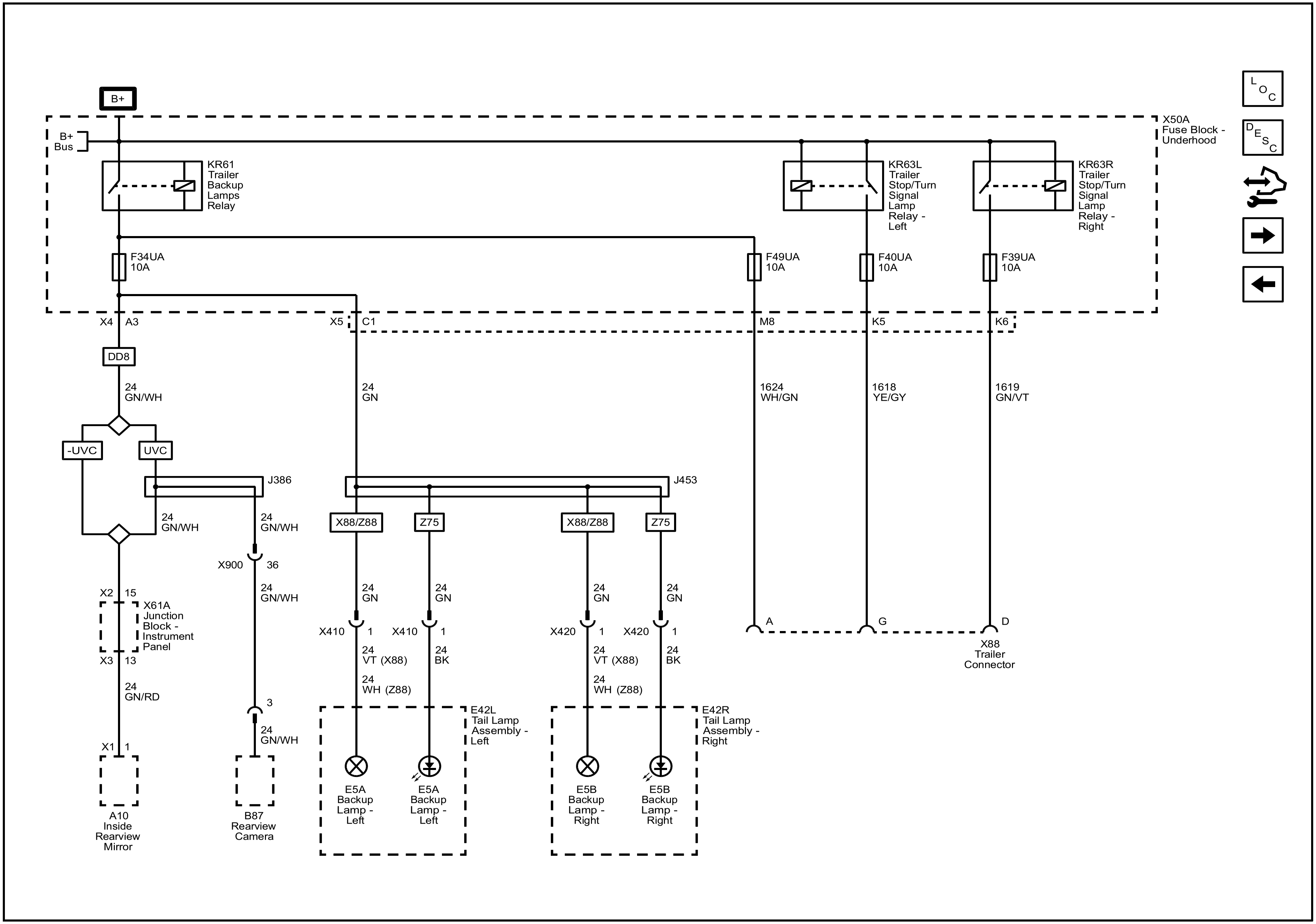
Power Distribution Schematics (F41UA, F42UA and F43UA (Z88))


4690386
LOC
DESC
X50A Fuse Block - Underhood
B+
B+ Bus
30
86
87
KR53 Park Lamps Relay
F43UA 15A
F42UA 15A
F41UA 20A
X5
K2
X1
G1
F1
K4
J3
709 VT/GY
709 VT/GY
309 GY/BN
309 GY/BN
2109 GY/BN
X410
5
X110
7
X120
7
X420
5
F
X88 Trailer Connector
709 YE
709 BU
309 BU
309 YE
E42L Tail Lamp Assembly - Left
E13LA Headlamp Assembly - Left
E13RA Headlamp Assembly - Right
E42R Tail Lamp Assembly - Right
E5E Tail Lamp - Left
E2LF Side Marker Lamp - Left Front
E2RF Side Marker Lamp - Right Front
E5F Tail Lamp - Right

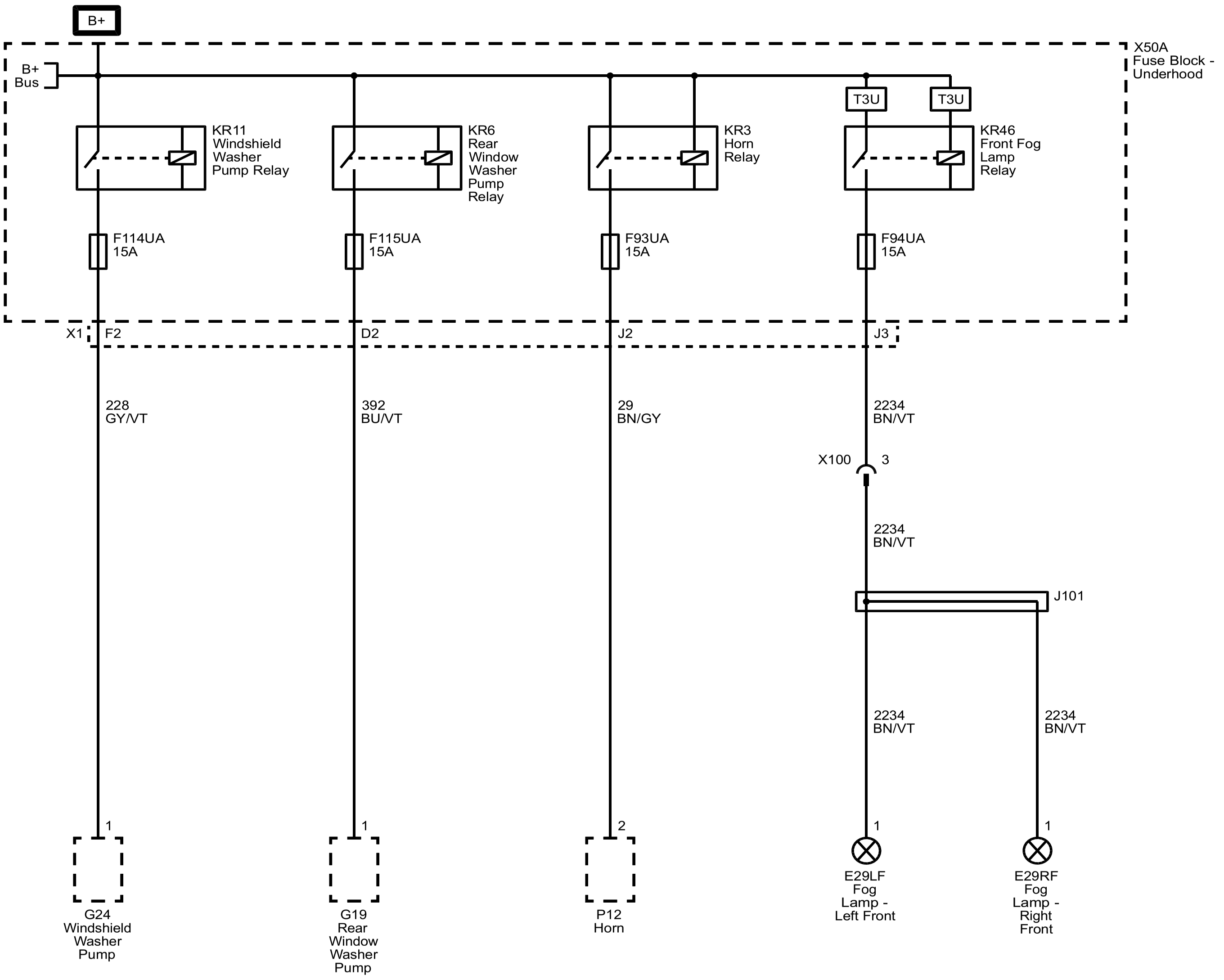
Power Distribution Schematics (F41UA, F42UA and F43UA (Z75))


4690388
L O C
D E S C
X50A Fuse Block - Underhood
B+
B+ Bus
30
86
87
KR53 Park Lamps Relay
F41UA 20A
F42UA 15A
F43UA 15A
J3
K4
X5
F1
G1
X1
K2
X5
2109 GY/BN
F X88 Trailer Connector
309 GY/BN
5
X420
309 YE
E42R Tail Lamp Assembly - Right
E5F Tail Lamp - Right
309 GY/BN
7
X120
309 BU
E13RA Headlamp Assembly - Right
K166R Multifunction LED Control Module - Right Headlamp
309 GY/BN
24
309 GY/BN
3
X104
309 BK
E69R Multifunction Lamp Assembly - Front Fascia Right
K167R Multifunction LED Control Module - Front Fascia Right
709 VT/GY
9
X100
709 VT/GY
3
X101
709 BK
E69L Multifunction Lamp Assembly - Front Fascia Left
K167L Multifunction LED Control Module - Front Fascia Left
709 VT/GY
7
X110
709 BU
E13LA Headlamp Assembly - Left
K166L Multifunction LED Control Module - Left Headlamp
709 VT/GY
5
X410
709 YE
E42L Tail Lamp Assembly - Left
E5E Tail Lamp - Left

Power Distribution Schematics (F34UA, F39UA, F40UA and F49UA)

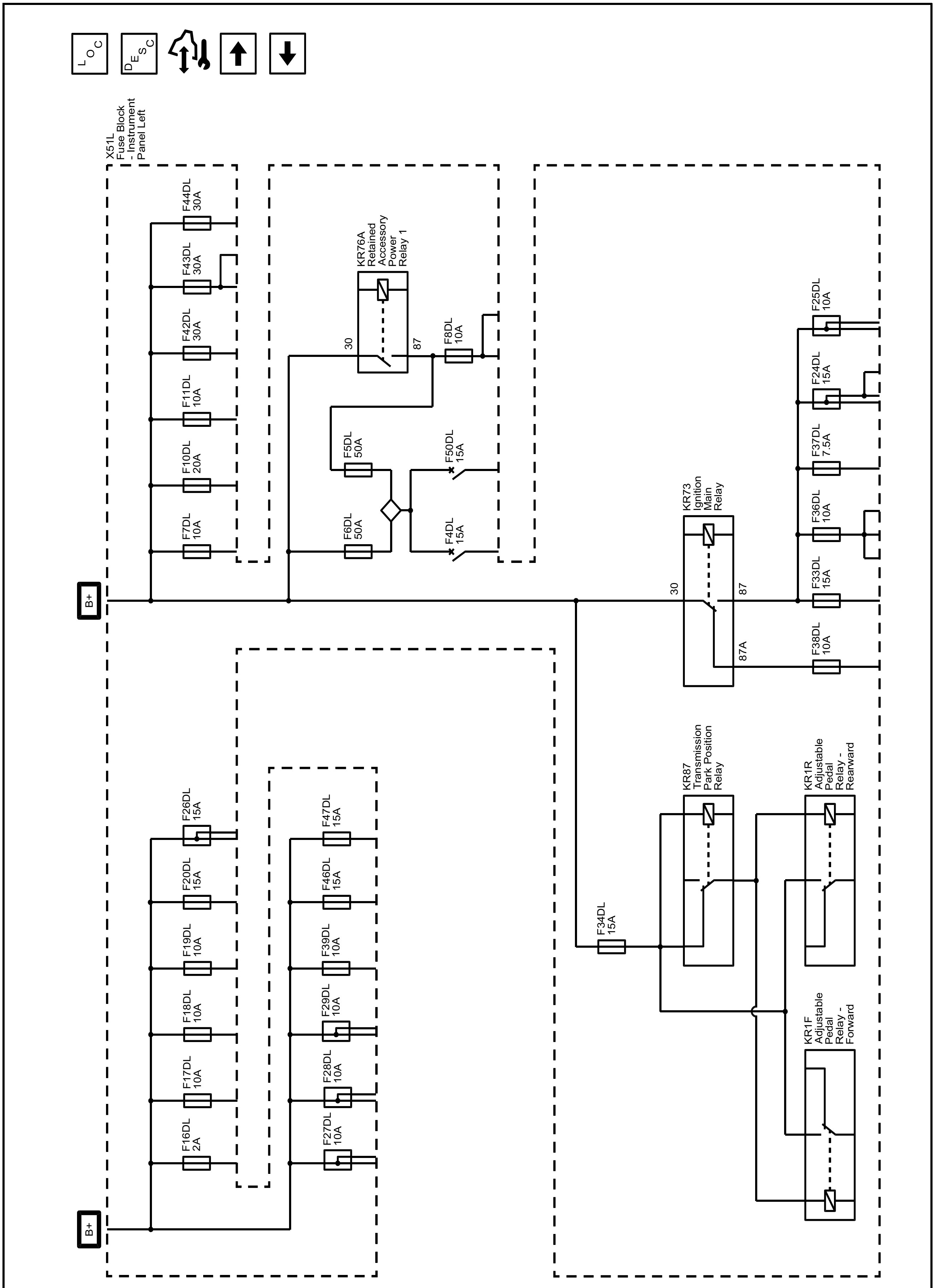

B+
B+ Bus
X50A Fuse Block - Underhood
KR61 Trailer Backup Lamps Relay
KR63L Trailer Stop/Turn Signal Lamp Relay - Left
KR63R Trailer Stop/Turn Signal Lamp Relay - Right
F34UA 10A
F49UA 10A
F40UA 10A
F39UA 10A
X4 A3
X5 C1
M8
K5
K6
DD8
24 GN/WH
24 GN
1624 WH/GN
1618 YE/GY
1619 GN/VT
-UVC
UVC
J386
J453
24 GN/WH
24 GN/WH
X900 36
24 GN/WH
X88/Z88
Z75
X88/Z88
Z75
24 GN
24 GN
24 GN
24 GN
X410 1
X410 1
X420 1
X420 1
24 VT (X88)
24 WH (Z88)
24 BK
24 VT (X88)
24 WH (Z88)
24 BK
A
G
D
X88 Trailer Connector
X2 15
X61A Junction Block - Instrument Panel
X3 13
24 GN/RD
X1 1
A10 Inside Rearview Mirror
3
24 GN/WH
B87 Rearview Camera
E42L Tail Lamp Assembly - Left
E5A Backup Lamp - Left
E5A Backup Lamp - Left
E42R Tail Lamp Assembly - Right
E5B Backup Lamp - Right
E5B Backup Lamp - Right
LOC
DESC
4690392

Power Distribution Schematics (F93UA, F94UA, F114UA and F115UA)

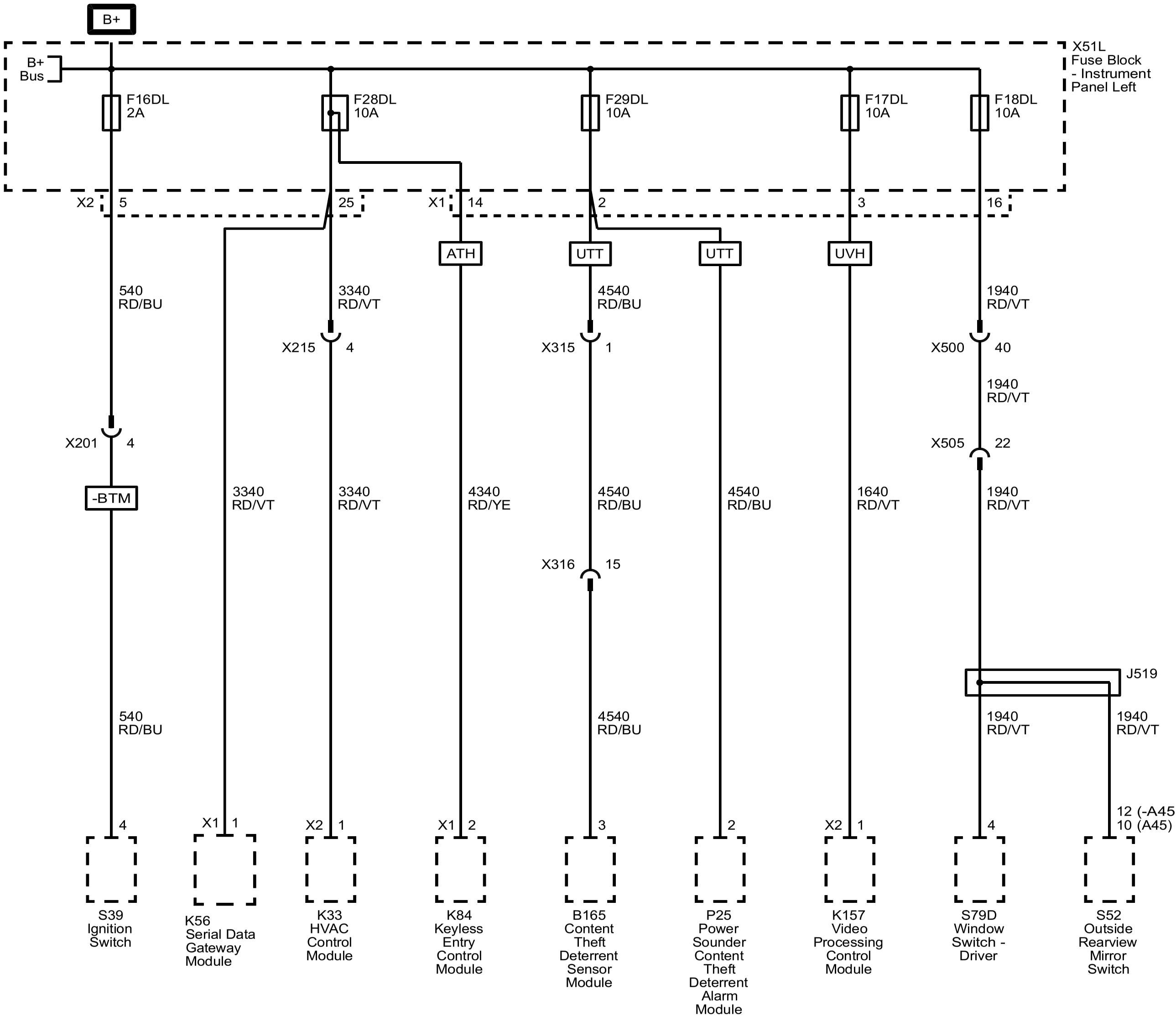

B+
B+ Bus
X50A Fuse Block - Underhood
KR11 Windshield Washer Pump Relay
KR6 Rear Window Washer Pump Relay
KR3 Horn Relay
T3U
T3U
KR46 Front Fog Lamp Relay
F114UA 15A
F115UA 15A
F93UA 15A
F94UA 15A
X1
F2
D2
J2
J3
228 GY/VT
392 BU/VT
29 BN/GY
2234 BN/VT
X100
3
2234 BN/VT
J101
2234 BN/VT
2234 BN/VT
1
1
2
1
1
G24 Windshield Washer Pump
G19 Rear Window Washer Pump
P12 Horn
E29LF Fog Lamp - Left Front
E29RF Fog Lamp - Right Front

4690394

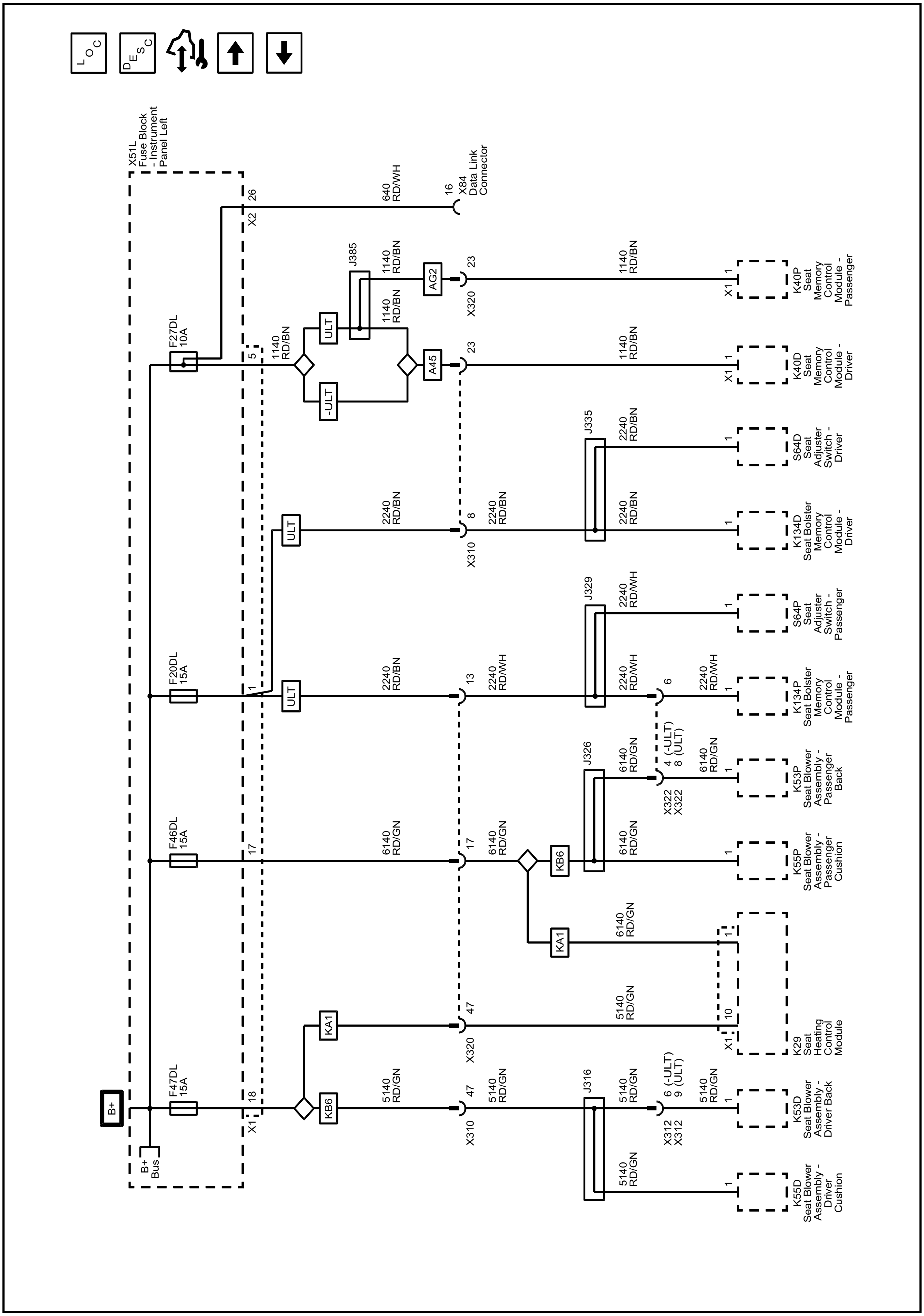
Power Distribution Schematics (X51L Fuse Block - Instrument Panel Left Bussing)


4690396
LOC
DESC
X51L Fuse Block - Instrument Panel Left
B+
F44DL 30A
F43DL 30A
F42DL 30A
F11DL 10A
F10DL 20A
F7DL 10A
KR76A Retained Accessory Power Relay 1
30
87
F8DL 10A
F5DL 50A
F50DL 15A
F6DL 50A
F4DL 15A
KR73 Ignition Main Relay
30
87
87A
F25DL 10A
F24DL 15A
F37DL 7.5A
F36DL 10A
F33DL 15A
F38DL 10A
KR87 Transmission Park Position Relay
KR1R Adjustable Pedal Relay - Rearward
KR1F Adjustable Pedal Relay - Forward
F34DL 15A
F26DL 15A
F20DL 15A
F19DL 10A
F18DL 10A
F17DL 10A
F16DL 2A
F47DL 15A
F46DL 15A
F39DL 10A
F29DL 10A
F28DL 10A
F27DL 10A
B+

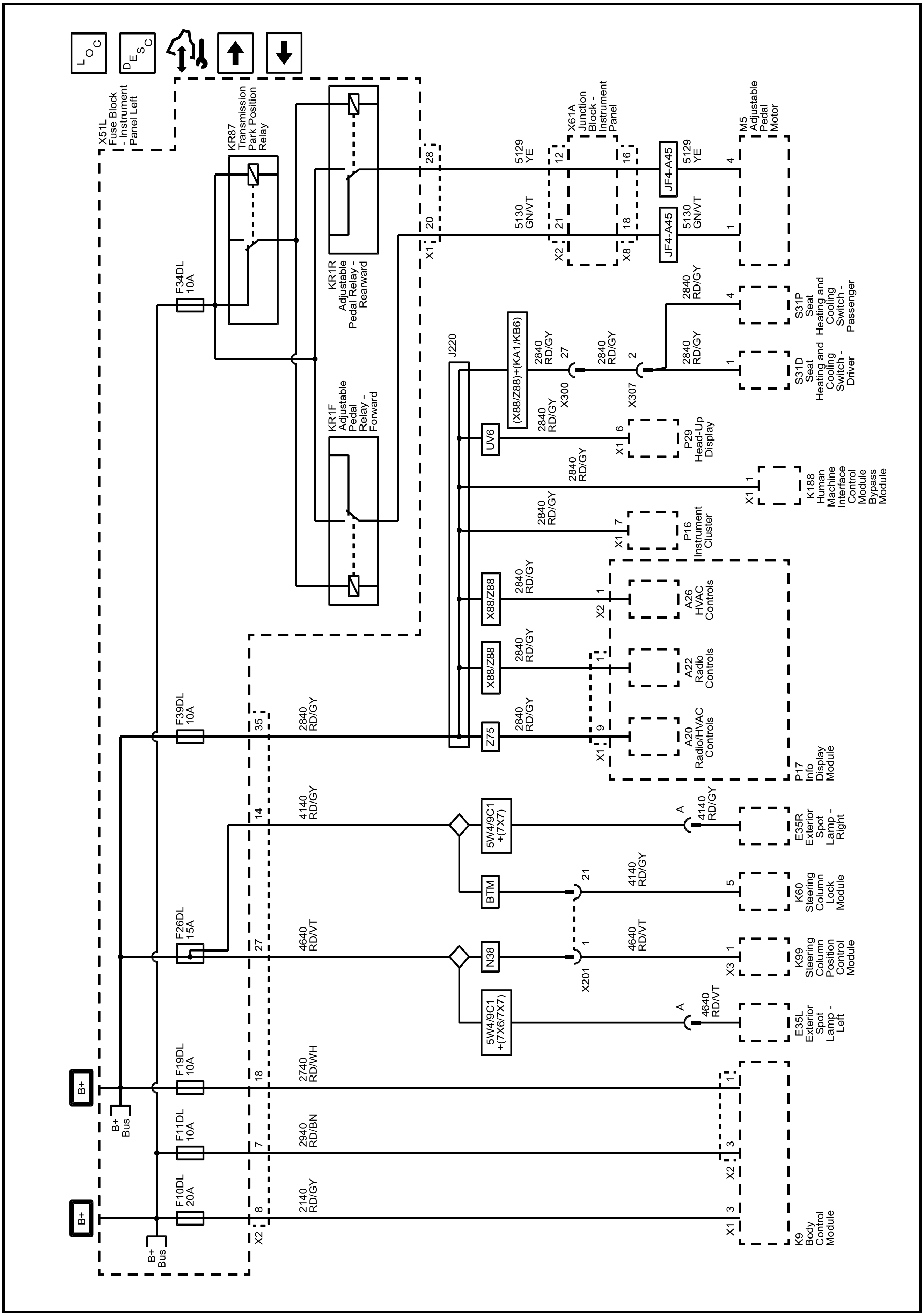
Power Distribution Schematics (F16DL, F17DL, F18DL, F28DL and F29DL)


B+
B+ Bus
X51L Fuse Block - Instrument Panel Left
F16DL 2A
F28DL 10A
F29DL 10A
F17DL 10A
F18DL 10A
X2 5
25
X1 14
2
3
16
ATH
UTT
UTT
UVH
540 RD/BU
3340 RD/VT
4540 RD/BU
1940 RD/VT
X215 4
X315 1
X500 40
1940 RD/VT
X201 4
X505 22
-BTM
3340 RD/VT
3340 RD/VT
4340 RD/YE
4540 RD/BU
4540 RD/BU
1640 RD/VT
1940 RD/VT
X316 15
J519
540 RD/BU
4540 RD/BU
1940 RD/VT
1940 RD/VT
4
X1 1
X2 1
X1 2
3
2
X2 1
4
12 (-A45)
10 (A45)
S39 Ignition Switch
K56 Serial Data Gateway Module
K33 HVAC Control Module
K84 Keyless Entry Control Module
B165 Content Theft Deterrent Sensor Module
P25 Power Sounder Content Theft Deterrent Alarm Module
K157 Video Processing Control Module
S79D Window Switch - Driver
S52 Outside Rearview Mirror Switch
4690399

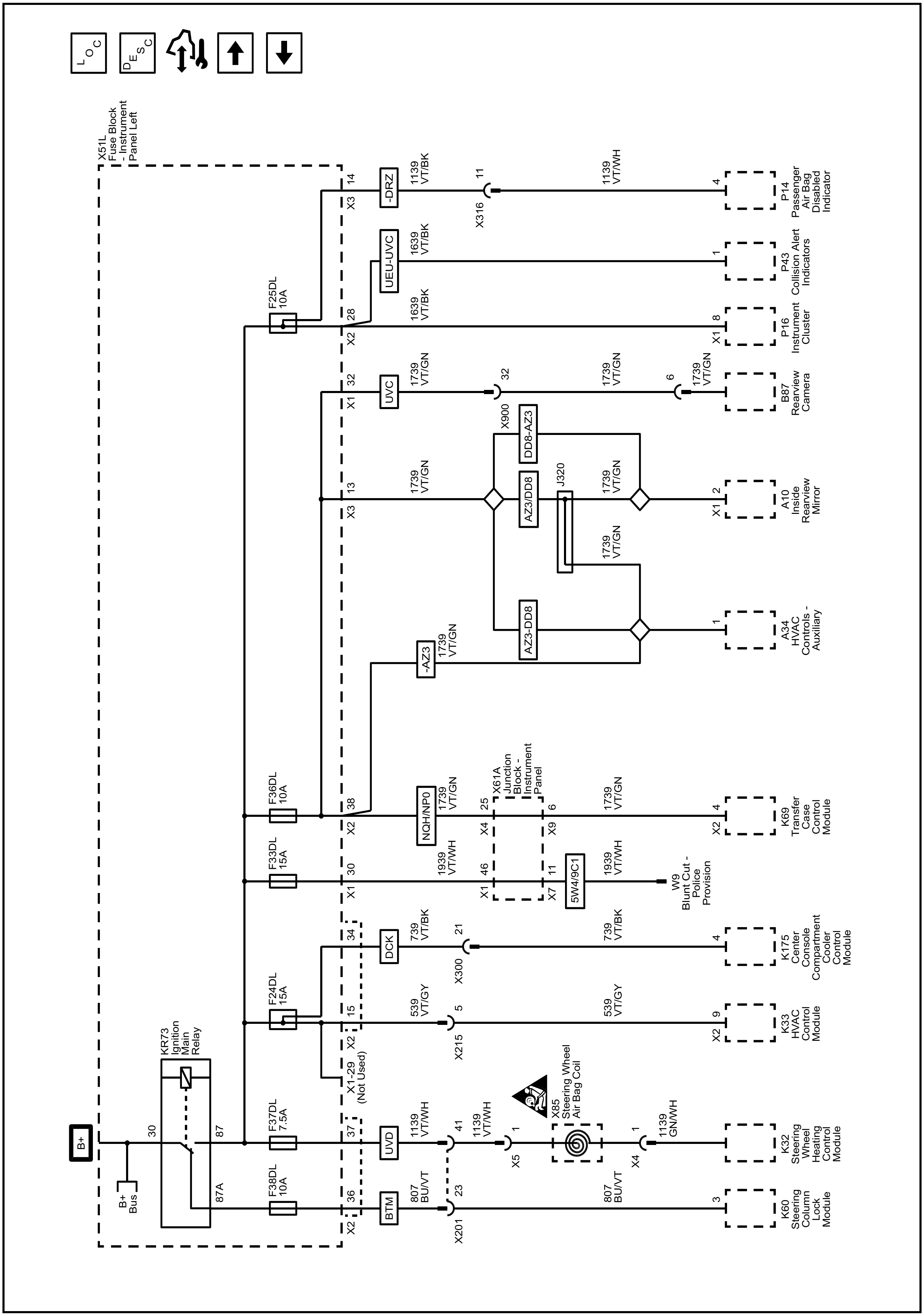
Power Distribution Schematics (F20DL, F27DL, F46DL and F47DL)


4690402
LOC
DESC
X51L Fuse Block - Instrument Panel Left
B+
B+ Bus
F47DL 15A
F46DL 15A
F20DL 15A
F27DL 10A
X1 18
17
1
5
X2 26
640 RD/WH
16 X84 Data Link Connector
KB6
KA1
5140 RD/GN
6140 RD/GN
2240 RD/BN
2240 RD/WH
1140 RD/BN
ULT
-ULT
J385
AG2
A45
X310 47
X320 47
17
13
X310 8
X320 23
23
J316
J326
J329
J335
X312 6 (-ULT)
X312 9 (ULT)
X322 4 (-ULT)
X322 8 (ULT)
6
X1 10
X1 1
1
K55D Seat Blower Assembly - Driver Cushion
K53D Seat Blower Assembly - Driver Back
K29 Seat Heating Control Module
K55P Seat Blower Assembly - Passenger Cushion
K53P Seat Blower Assembly - Passenger Back
K134P Seat Bolster Memory Control Module - Passenger
S64P Seat Adjuster Switch - Passenger
K134D Seat Bolster Memory Control Module - Driver
S64D Seat Adjuster Switch - Driver
K40D Seat Memory Control Module - Driver
K40P Seat Memory Control Module - Passenger

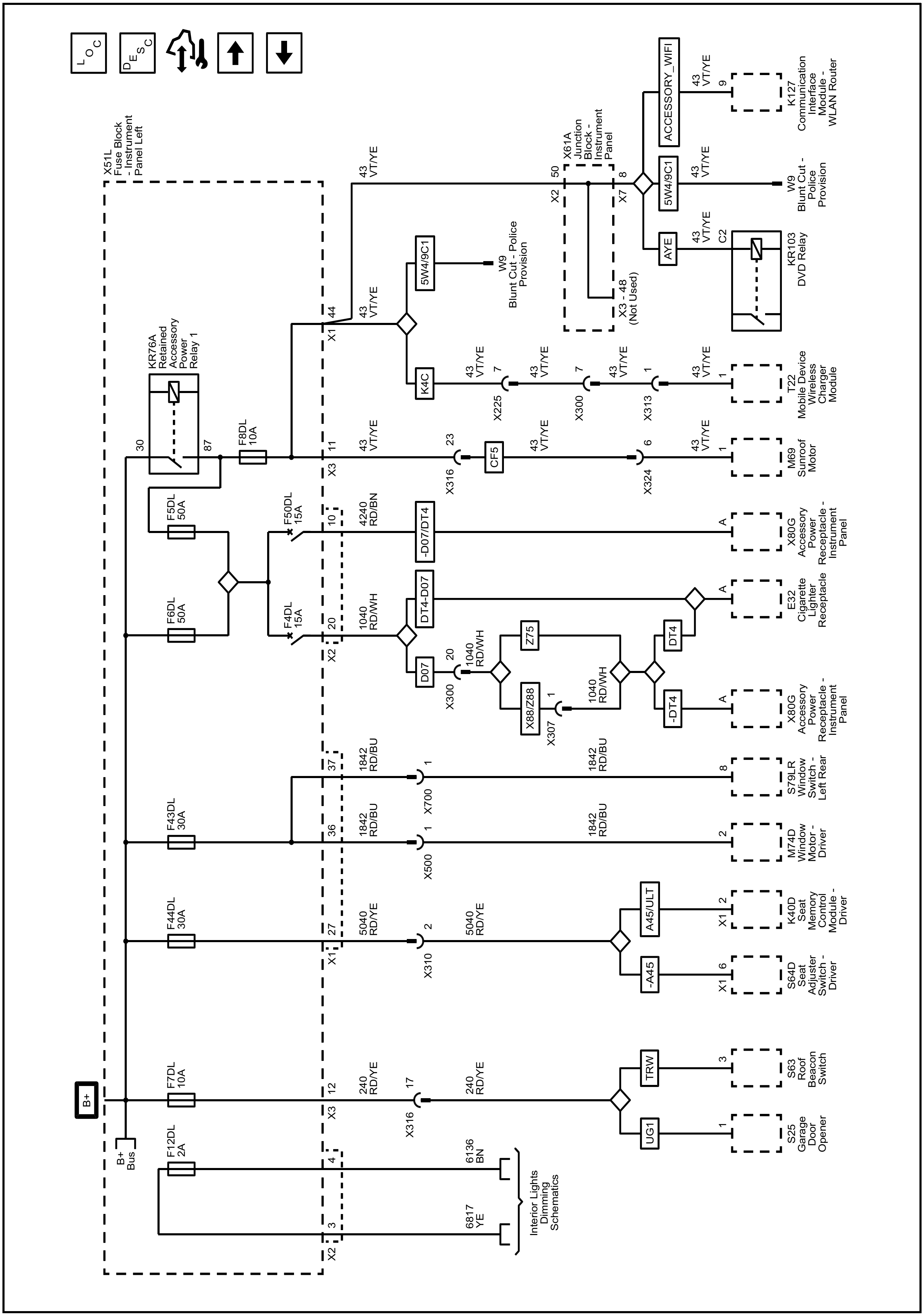
Power Distribution Schematics (F10DL, F11DL, F19DL, F26DL, F34DL and F39DL)


4690404
LOC
DESC
B+
B+
B+ Bus
B+ Bus
X51L Fuse Block - Instrument Panel Left
F10DL 20A
F11DL 10A
F19DL 10A
F26DL 15A
F39DL 10A
F34DL 10A
KR87 Transmission Park Position Relay
KR1R Adjustable Pedal Relay - Rearward
KR1F Adjustable Pedal Relay - Forward
X2
8
7
18
27
14
35
X1
20
28
2140 RD/GY
2940 RD/BN
2740 RD/WH
4640 RD/VT
4140 RD/GY
2840 RD/GY
5130 GN/VT
5129 YE
X61A Junction Block - Instrument Panel
X2 21
12
X8 18
16
JF4-A45
JF4-A45
5130 GN/VT
5129 YE
1
4
M5 Adjustable Pedal Motor
J220
(X88/Z88)+(KA1/KB6)
2840 RD/GY
27
X300
2840 RD/GY
2
X307
2840 RD/GY
4
S31P Seat Heating and Cooling Switch - Passenger
2840 RD/GY
1
S31D Seat Heating and Cooling Switch - Driver
UV6
2840 RD/GY
X1 6
P29 Head-Up Display
2840 RD/GY
X1 1
K188 Human Machine Interface Control Module Bypass Module
2840 RD/GY
X1 7
P16 Instrument Cluster
X88/Z88
2840 RD/GY
X2 1
A26 HVAC Controls
X88/Z88
2840 RD/GY
1
A22 Radio Controls
Z75
2840 RD/GY
X1 9
A20 Radio/HVAC Controls
P17 Info Display Module
5W4/9C1 +(7X7)
A
4140 RD/GY
E35R Exterior Spot Lamp - Right
BTM
21
4140 RD/GY
5
K60 Steering Column Lock Module
N38
1
X201
4640 RD/VT
X3 1
K99 Steering Column Position Control Module
5W4/9C1 +(7X6/7X7)
A
4640 RD/VT
E35L Exterior Spot Lamp - Left
1
3
X2
X1 3
K9 Body Control Module

Power Distribution Schematics (F24DL, F25DL, F33DL, F36DL, F37DL and F38DL)

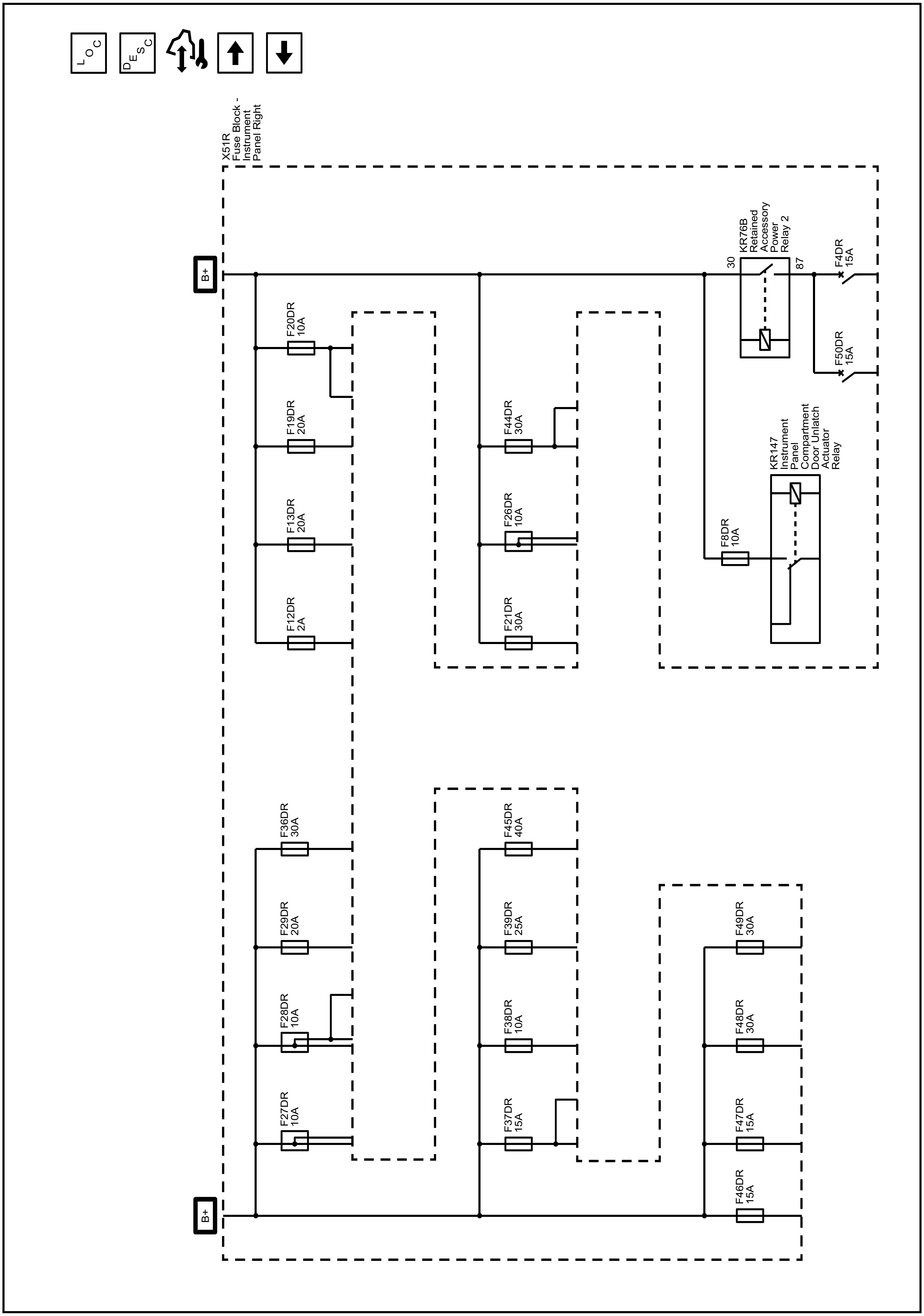

4690407
LOC
DESC
X51L Fuse Block - Instrument Panel Left
B+
B+ Bus
30
87
87A
KR73 Ignition Main Relay
F38DL 10A
F37DL 7.5A
F24DL 15A
F33DL 15A
F36DL 10A
F25DL 10A
X2 36
37
X1-29 (Not Used)
X2 15
34
X1 30
X2 38
X3 13
X1 32
X2 28
X3 14
BTM
UVD
DCK
NQH/NP0
-AZ3
UVC
UEU-UVC
-DRZ
807 BU/VT
1139 VT/WH
539 VT/GY
739 VT/BK
1939 VT/WH
1739 VT/GN
1639 VT/BK
1139 VT/BK
X201 23
41
X5 1
X215 5
X300 21
X316 11
X85 Steering Wheel Air Bag Coil
X4 1
1139 GN/WH
X1 46
X4 25
X61A Junction Block - Instrument Panel
X7 11
X9 6
5W4/9C1
W9 Blunt Cut - Police Provision
AZ3-DD8
AZ3/DD8
DD8-AZ3
X900 32
J320
6
1739 VT/GN
3
K60 Steering Column Lock Module
K32 Steering Wheel Heating Control Module
X2 9
K33 HVAC Control Module
4
K175 Center Console Compartment Cooler Control Module
X2 4
K69 Transfer Case Control Module
1
A34 HVAC Controls - Auxiliary
X1 2
A10 Inside Rearview Mirror
B87 Rearview Camera
X1 8
P16 Instrument Cluster
1
P43 Collision Alert Indicators
4
P14 Passenger Air Bag Disabled Indicator

Power Distribution Schematics (F4DL, F5DL, F6DL, F7DL, F8DL, F12DL, F16DL, F42DL, F43DL, F44DL and F50DL)

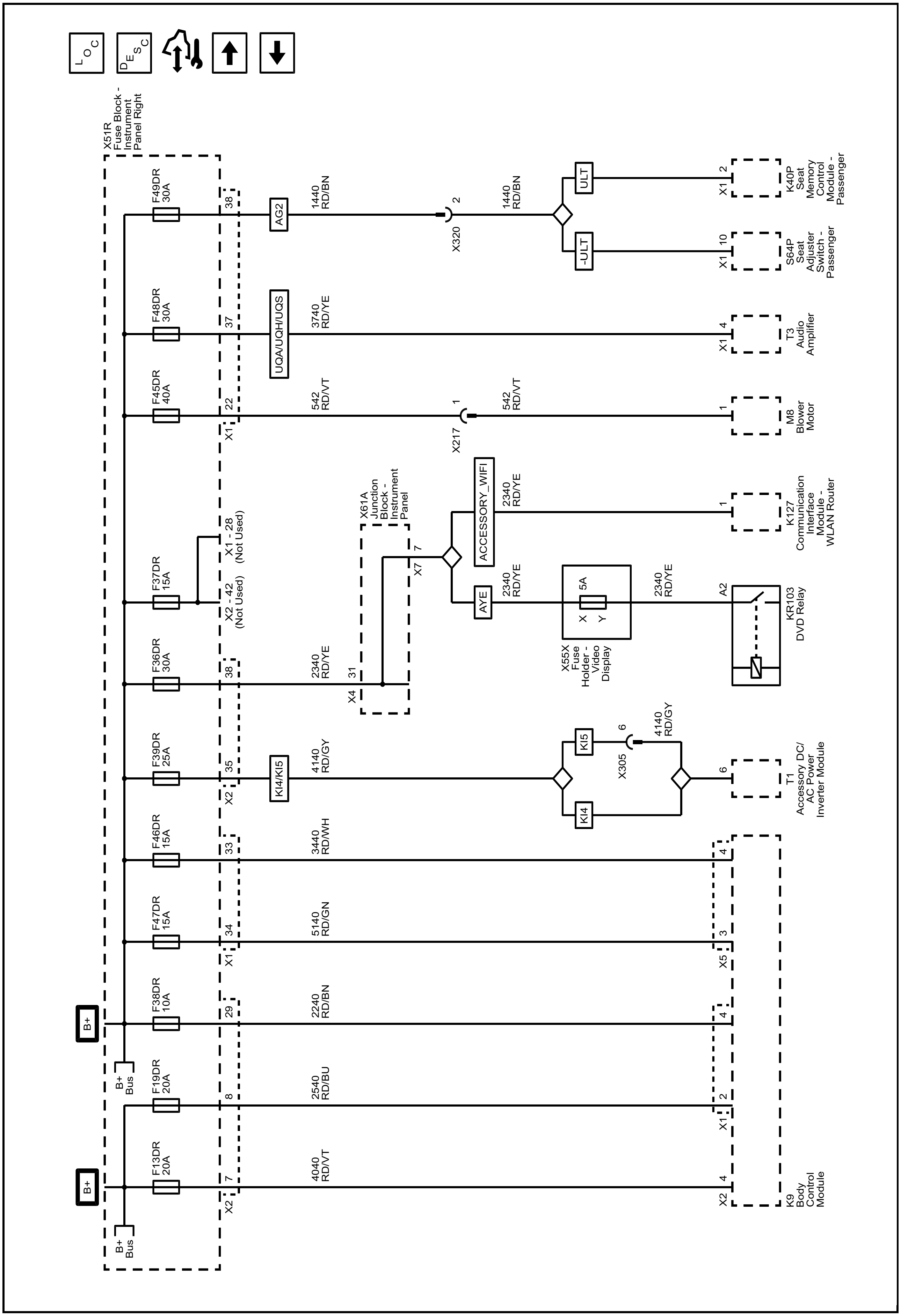

L O C
D E S C
X51L Fuse Block - Instrument Panel Left
KR76A Retained Accessory Power Relay 1
30
87
F8DL 10A
F5DL 50A
F50DL 15A
F6DL 50A
F4DL 15A
F43DL 30A
F44DL 30A
F7DL 10A
F12DL 2A
B+
B+ Bus
X1 44
X3 11
10
X2 20
37
36
X1 27
X3 12
4
X2 3
43 VT/YE
4240 RD/BN
1040 RD/WH
1842 RD/BU
5040 RD/YE
240 RD/YE
6136 BN
6817 YE
Interior Lights Dimming Schematics
5W4/9C1
W9 Blunt Cut - Police Provision
X61A Junction Block - Instrument Panel
X2 50
X7 8
X3 - 48 (Not Used)
ACCESSORY_WIFI
9
K127 Communication Interface Module - WLAN Router
5W4/9C1
W9 Blunt Cut - Police Provision
AYE
C2
KR103 DVD Relay
K4C
X225 7
X300 7
X313 1
1
T22 Mobile Device Wireless Charger Module
X316 23
CF5
X324 6
M69 Sunroof Motor
-D07/DT4
A
X80G Accessory Power Receptacle - Instrument Panel
DT4-D07
A
E32 Cigarette Lighter Receptacle
D07
X300 20
Z75
X88/Z88
X307 1
DT4
-DT4
A
X80G Accessory Power Receptacle - Instrument Panel
X700 1
8
S79LR Window Switch - Left Rear
X500 1
2
M74D Window Motor - Driver
X310 2
A45/ULT
X1 2
K40D Seat Memory Control Module - Driver
-A45
X1 6
S64D Seat Adjuster Switch - Driver
X316 17
TRW
3
S63 Roof Beacon Switch
UG1
1
S25 Garage Door Opener

4690410

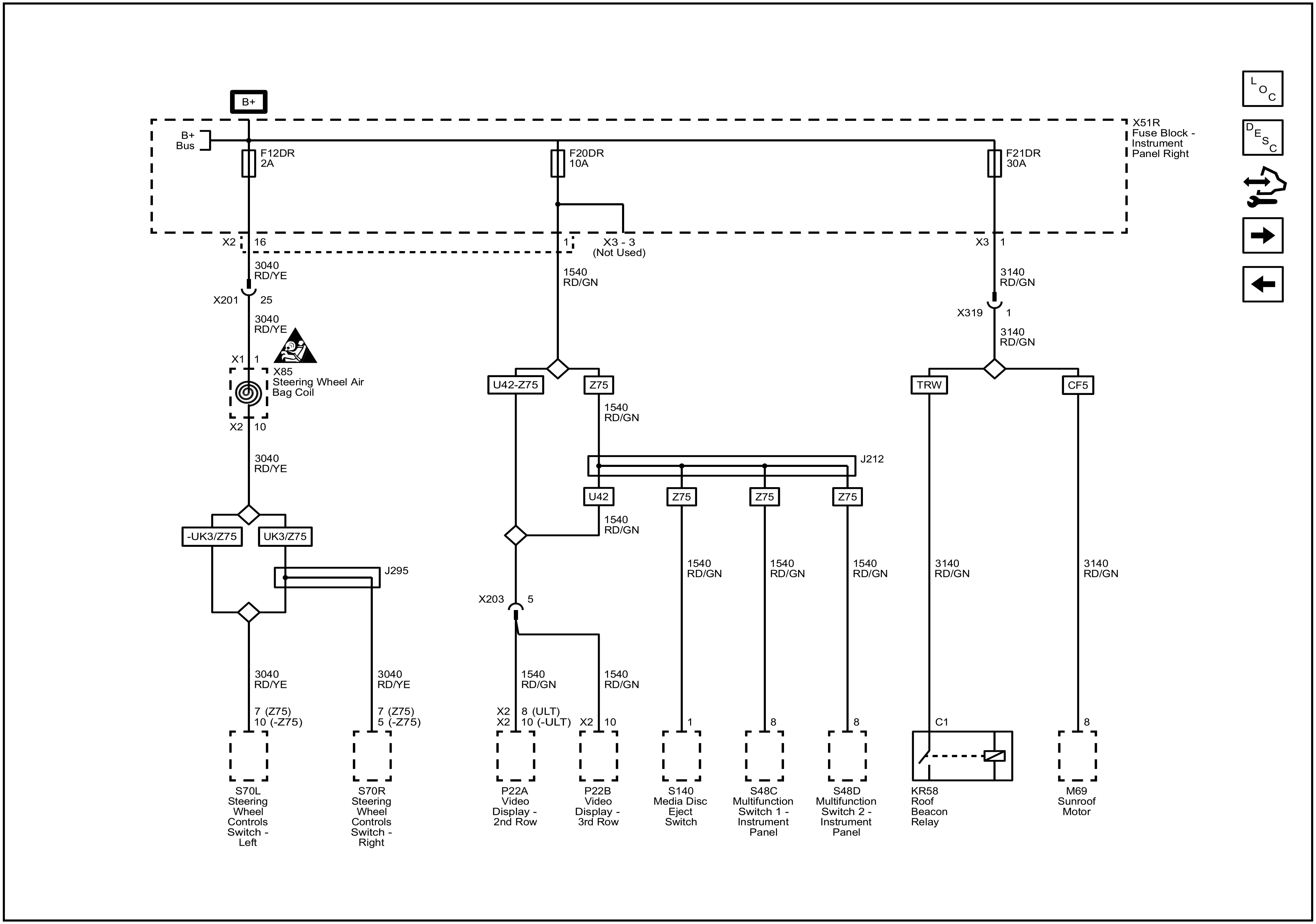
Power Distribution Schematics (X51R Fuse Block - Instrument Panel Right Bussing)


4690413
X51R Fuse Block - Instrument Panel Right
B+
B+
F20DR 10A
F19DR 20A
F13DR 20A
F12DR 2A
F44DR 30A
F26DR 10A
F21DR 30A
30
KR76B Retained Accessory Power Relay 2
87
F4DR 15A
F50DR 15A
KR147 Instrument Panel Compartment Door Unlatch Actuator Relay
F8DR 10A
F36DR 30A
F29DR 20A
F28DR 10A
F27DR 10A
F45DR 40A
F39DR 25A
F38DR 10A
F37DR 15A
F49DR 30A
F48DR 30A
F47DR 15A
F46DR 15A

Power Distribution Schematics (F13DR, F19DR, F36DR, F37DR, F38DR, F39DR, F45DR, F46DR, F47DR, F48DR and F49DR)

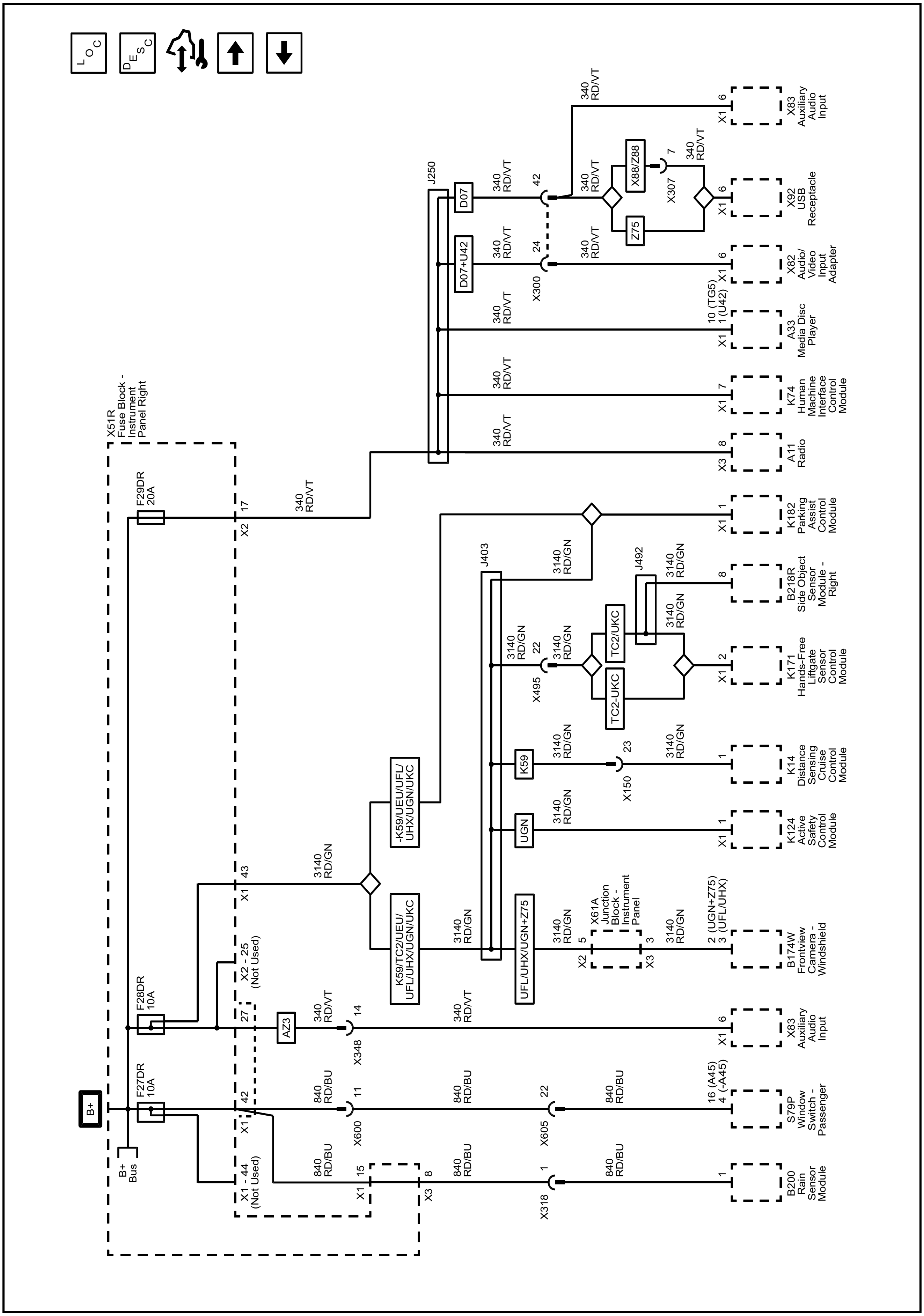

4690415
X51R Fuse Block - Instrument Panel Right
B+
B+ Bus
F13DR 20A
F19DR 20A
F38DR 10A
F47DR 15A
F46DR 15A
F39DR 25A
F36DR 30A
F37DR 15A
F45DR 40A
F48DR 30A
F49DR 30A
X2 7
8
29
X1 34
33
X2 35
X4 38
X2 - 42 (Not Used)
X1 - 28 (Not Used)
X1 22
37
38
4040 RD/VT
2540 RD/BU
2240 RD/BN
5140 RD/GN
3440 RD/WH
KI4/KI5
4140 RD/GY
2340 RD/YE
X61A Junction Block - Instrument Panel
X4 31
X7 7
542 RD/VT
X217 1
UQA/UQH/UQS
3740 RD/YE
AG2
1440 RD/BN
X320 2
ACCESSORY_WIFI
AYE
KI5
KI4
X305 6
X55X Fuse Holder - Video Display
X Y 5A
ULT
-ULT
X2 4
X1 2
4
X5 3
4
6
T1 Accessory DC/AC Power Inverter Module
A2
KR103 DVD Relay
1
K127 Communication Interface Module - WLAN Router
M8 Blower Motor
X1 4
T3 Audio Amplifier
X1 10
S64P Seat Adjuster Switch - Passenger
X1 2
K40P Seat Memory Control Module - Passenger
K9 Body Control Module

Power Distribution Schematics (F12DR, F20DR and F21DR)


LOC
DESC
B+
B+ Bus
X51R Fuse Block - Instrument Panel Right
F12DR 2A
F20DR 10A
F21DR 30A
X2 16
1
X3 - 3 (Not Used)
X3 1
3040 RD/YE
X201 25
1540 RD/GN
3140 RD/GN
X319 1
X1 1
X85 Steering Wheel Air Bag Coil
X2 10
U42-Z75
Z75
TRW
CF5
J212
U42
-UK3/Z75
UK3/Z75
J295
X203 5
7 (Z75) 10 (-Z75)
7 (Z75) 5 (-Z75)
X2 8 (ULT)
X2 10 (-ULT)
X2 10
1
8
8
C1
8
S70L Steering Wheel Controls Switch - Left
S70R Steering Wheel Controls Switch - Right
P22A Video Display - 2nd Row
P22B Video Display - 3rd Row
S140 Media Disc Eject Switch
S48C Multifunction Switch 1 - Instrument Panel
S48D Multifunction Switch 2 - Instrument Panel
KR58 Roof Beacon Relay
M69 Sunroof Motor

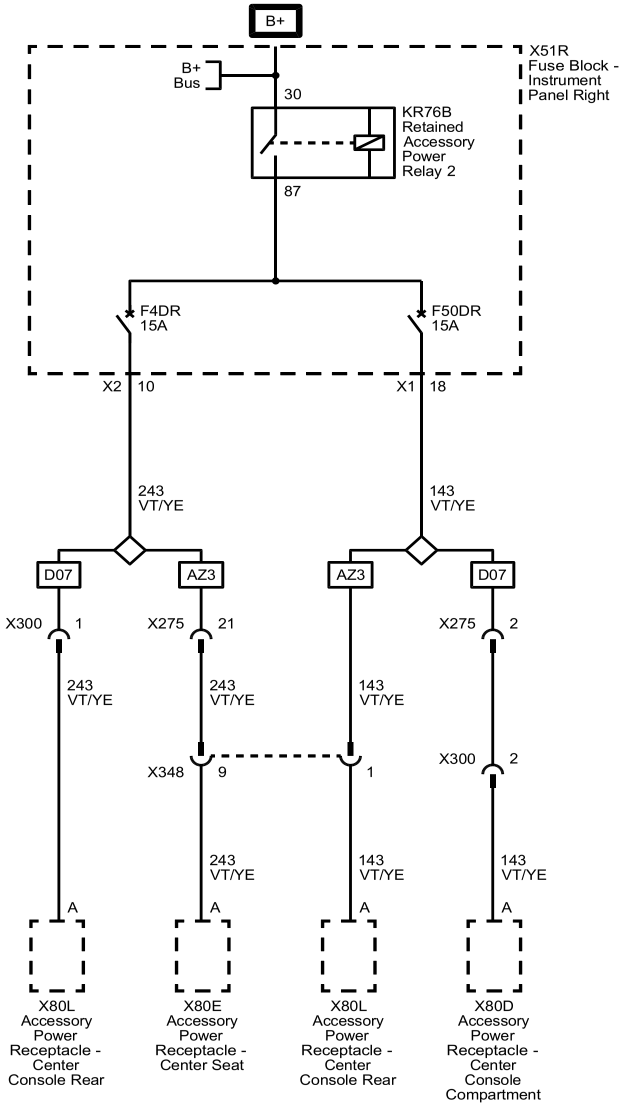
4690417

Power Distribution Schematics (F27DR, F28DR and F29DR)


LOC
DESC
B+
B+ Bus
X51R Fuse Block - Instrument Panel Right
F27DR 10A
F28DR 10A
F29DR 20A
X1 - 44 (Not Used)
X1 42
27
X2 - 25 (Not Used)
X1 43
X2 17
X1 15
X3 8
AZ3
840 RD/BU
340 RD/VT
3140 RD/GN
X600 11
X605 22
X318 1
X348 14
16 (A45)
4 (-A45)
K59/TC2/UEU/UFL/UHX/UGN/UKC
-K59/UEU/UFL/UHX/UGN/UKC
J403
UFL/UHX/UGN+Z75
X61A Junction Block - Instrument Panel
X2 5
X3 3
2 (UGN+Z75)
3 (UFL/UHX)
UGN
K59
X150 23
X495 22
TC2-UKC
TC2/UKC
J492
J250
D07
D07+U42
X300 42
24
X88/Z88
Z75
X307 7
10 (TG5)
1 (U42)
X1 6
X1 1
X1 7
X1 2
X3 8
1
8
B200 Rain Sensor Module
S79P Window Switch - Passenger
X83 Auxiliary Audio Input
B174W Frontview Camera - Windshield
K124 Active Safety Control Module
K14 Distance Sensing Cruise Control Module
K171 Hands-Free Liftgate Sensor Control Module
B218R Side Object Sensor Module - Right
K182 Parking Assist Control Module
A11 Radio
K74 Human Machine Interface Control Module
A33 Media Disc Player
X82 Audio/Video Input Adapter
X92 USB Receptacle
X83 Auxiliary Audio Input

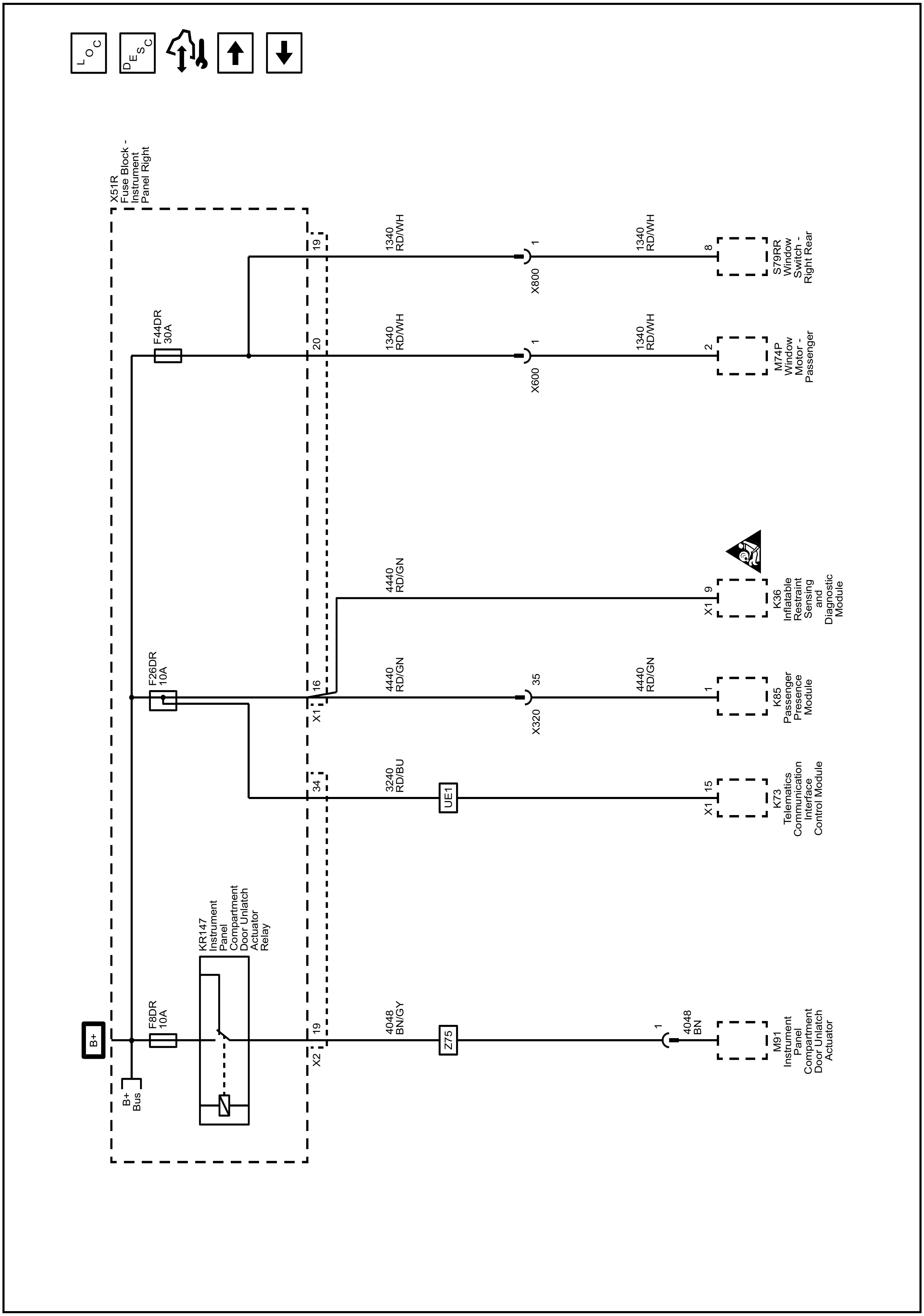
4690419

Power Distribution Schematics (F4DR and F50DR)


B+
B+ Bus
30
87
KR76B Retained Accessory Power Relay 2
X51R Fuse Block - Instrument Panel Right
F4DR 15A
F50DR 15A
X2 10
X1 18
243 VT/YE
143 VT/YE
D07
AZ3
AZ3
D07
X300 1
X275 21
X275 2
243 VT/YE
243 VT/YE
143 VT/YE
X348 9
1
X300 2
243 VT/YE
143 VT/YE
143 VT/YE
A
A
A
A
X80L Accessory Power Receptacle - Center Console Rear
X80E Accessory Power Receptacle - Center Seat
X80L Accessory Power Receptacle - Center Console Rear
X80D Accessory Power Receptacle - Center Console Compartment

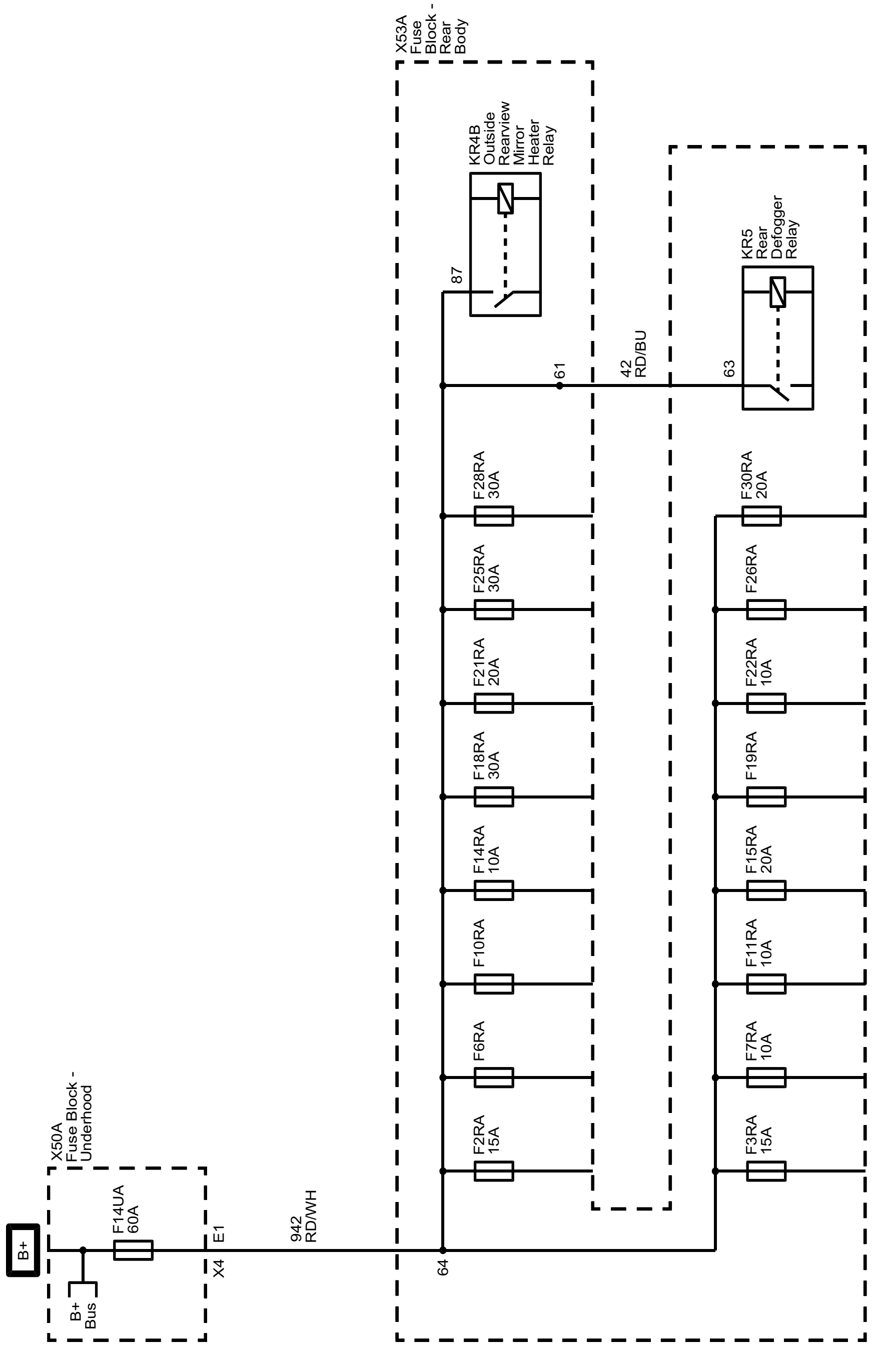
4690421

Power Distribution Schematics (F8DR, F26DR and F44DR)

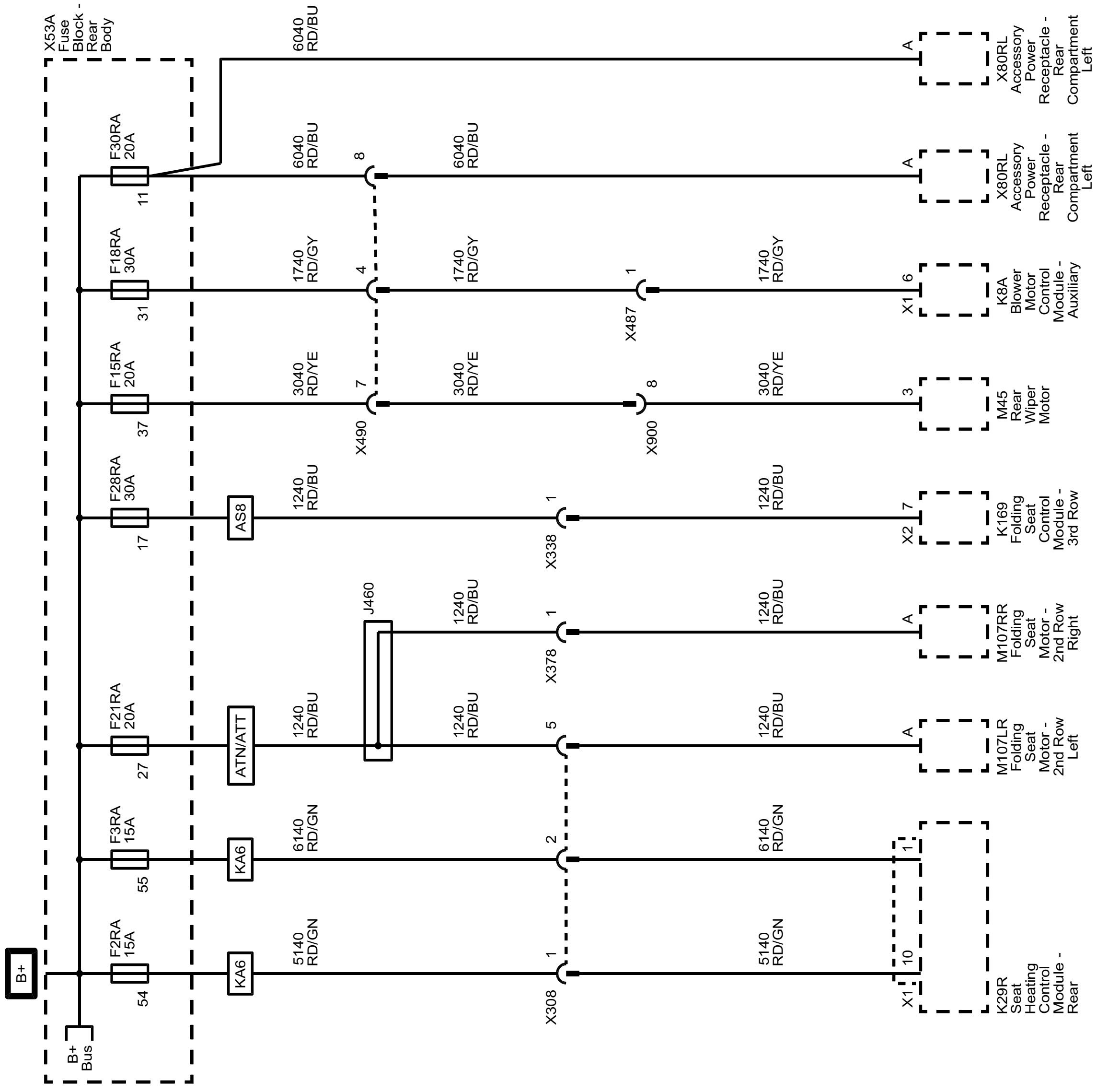

4690426
X51R Fuse Block - Instrument Panel Right
B+
B+ Bus
F8DR 10A
F26DR 10A
F44DR 30A
KR147 Instrument Panel Compartment Door Unlatch Actuator Relay
X2 19
X1 16
34
20
19
4048 BN/GY
Z75
1
4048 BN
M91 Instrument Panel Compartment Door Unlatch Actuator
3240 RD/BU
UE1
X1 15
K73 Telematics Communication Interface Control Module
4440 RD/GN
X320
35
4440 RD/GN
1
K85 Passenger Presence Module
4440 RD/GN
X1 9
K36 Inflatable Restraint Sensing and Diagnostic Module
1340 RD/WH
X600
1
1340 RD/WH
2
M74P Window Motor - Passenger
1340 RD/WH
X800
1
1340 RD/WH
8
S79RR Window Switch - Right Rear

Power Distribution Schematics (X53A Fuse Block - Rear Body Bussing)

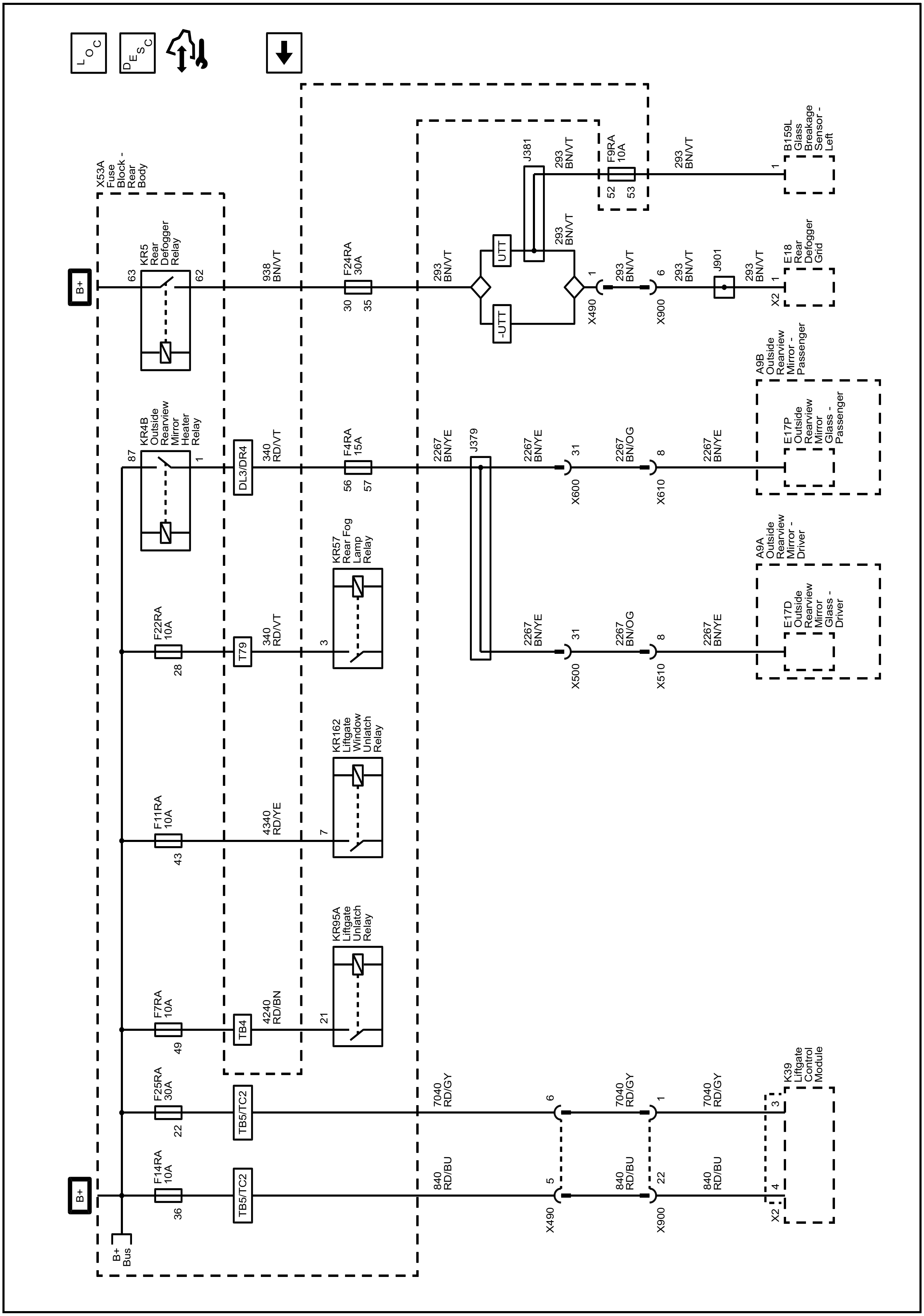
4690428


B+
X50A Fuse Block - Underhood
F14UA 60A
B+ Bus
E1
X4
942 RD/WH
64
X53A Fuse Block - Rear Body
KR4B Outside Rearview Mirror Heater Relay
87
61
42 RD/BU
63
KR5 Rear Defogger Relay
F28RA 30A
F25RA 30A
F21RA 20A
F18RA 30A
F14RA 10A
F10RA
F6RA
F2RA 15A
F30RA 20A
F26RA
F22RA 10A
F19RA
F15RA 20A
F11RA 10A
F7RA 10A
F3RA 15A

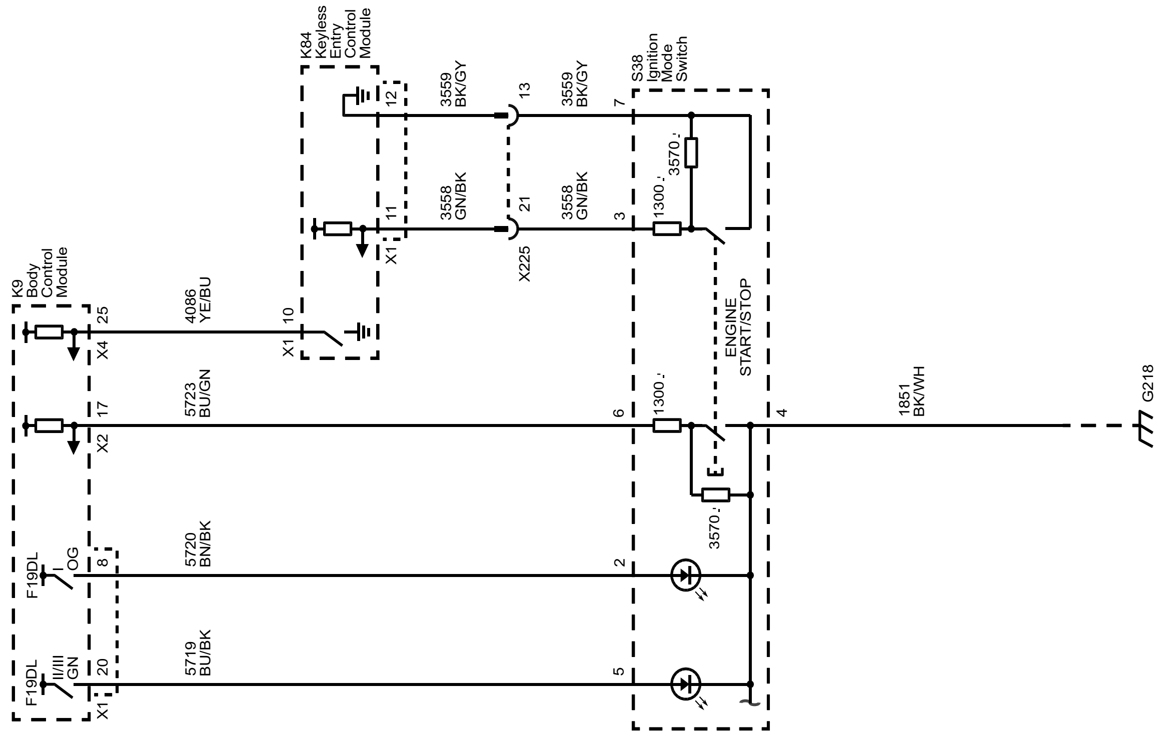
Power Distribution Schematics (F2RA, F3RA, F15RA, F18RA, F21RA, F28RA and F30RA)


4690432
X53A Fuse Block - Rear Body
B+
B+ Bus
F2RA 15A 54
F3RA 15A 55
F21RA 20A 27
F28RA 30A 17
F15RA 20A 37
F18RA 30A 31
F30RA 20A 11
KA6
KA6
ATN/ATT
AS8
J460
5140 RD/GN
6140 RD/GN
1240 RD/BU
3040 RD/YE
1740 RD/GY
6040 RD/BU
X308
X338
X378
X490
X487
X900
1
2
5
1
1
7
4
8
8
1
X1 10
1
K29R Seat Heating Control Module - Rear
A
M107LR Folding Seat Motor - 2nd Row Left
A
M107RR Folding Seat Motor - 2nd Row Right
X2 7
K169 Folding Seat Control Module - 3rd Row
3
M45 Rear Wiper Motor
X1 6
K8A Blower Motor Control Module - Auxiliary
A
X80RL Accessory Power Receptacle - Rear Compartment Left
A
X80RL Accessory Power Receptacle - Rear Compartment Left

Power Distribution Schematics (F4RA, F7RA, F9RA, F11RA, F14RA, F22RA, F24RA and F25RA)

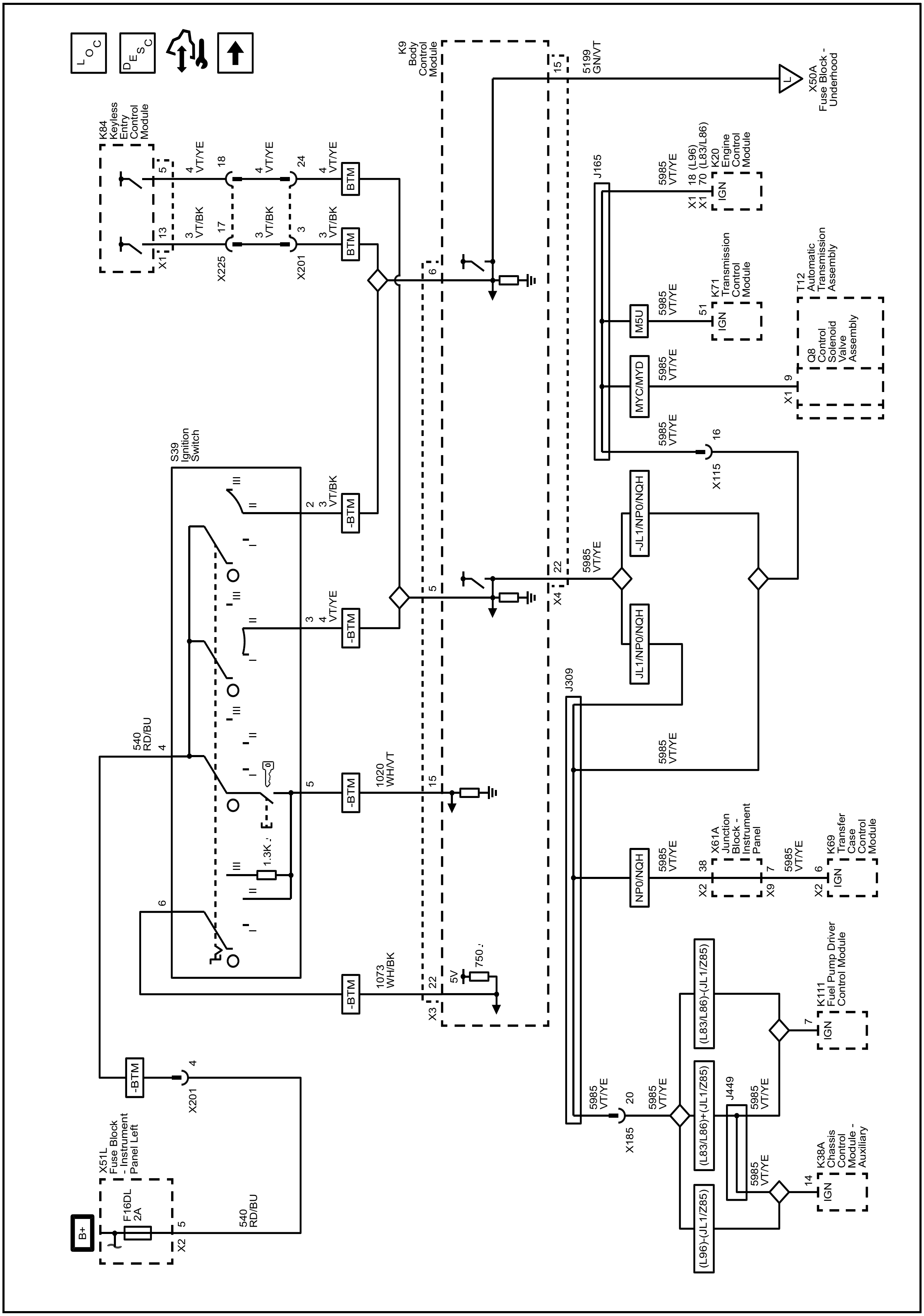

4690435
L O C
D E S C
B+
B+ Bus
X53A Fuse Block - Rear Body
KR5 Rear Defogger Relay
63
62
KR4B Outside Rearview Mirror Heater Relay
87
1
F22RA 10A
28
F11RA 10A
43
F7RA 10A
49
F25RA 30A
22
F14RA 10A
36
DL3/DR4
T79
TB4
TB5/TC2
TB5/TC2
938 BN/VT
340 RD/VT
340 RD/VT
4340 RD/YE
4240 RD/BN
7040 RD/GY
840 RD/BU
F24RA 30A
30
35
F4RA 15A
56
57
KR57 Rear Fog Lamp Relay
3
KR162 Liftgate Window Unlatch Relay
7
KR95A Liftgate Unlatch Relay
21
293 BN/VT
UTT
-UTT
J381
293 BN/VT
293 BN/VT
F9RA 10A
52
53
293 BN/VT
X490
1
293 BN/VT
6
X900
293 BN/VT
J901
293 BN/VT
X2
1
E18 Rear Defogger Grid
1
B159L Glass Breakage Sensor - Left
2267 BN/YE
J379
2267 BN/YE
31
X600
2267 BN/OG
8
X610
2267 BN/YE
A9B Outside Rearview Mirror - Passenger
E17P Outside Rearview Mirror Glass - Passenger
2267 BN/YE
31
X500
2267 BN/OG
8
X510
2267 BN/YE
A9A Outside Rearview Mirror - Driver
E17D Outside Rearview Mirror Glass - Driver
7040 RD/GY
6
X490
7040 RD/GY
1
X900
7040 RD/GY
3
840 RD/BU
5
840 RD/BU
22
840 RD/BU
4
X2
K39 Liftgate Control Module

Power Moding Schematics (Ignition Mode Switch (BTM))


K9
Body
Control
Module
X4
25
4086
YE/BU
X1
10
K84
Keyless
Entry
Control
Module
12
11
X1
3559
BK/GY
13
3559
BK/GY
7
S38
Ignition
Mode
Switch
3558
GN/BK
21
X225
3558
GN/BK
3
1300 Ω
3570 Ω
ENGINE
START/STOP
X2
17
5723
BU/GN
6
1300 Ω
4
1851
BK/WH
G218
3570 Ω
F19DL
I
OG
8
5720
BN/BK
2
F19DL
II/III
GN
20
X1
5719
BU/BK
5

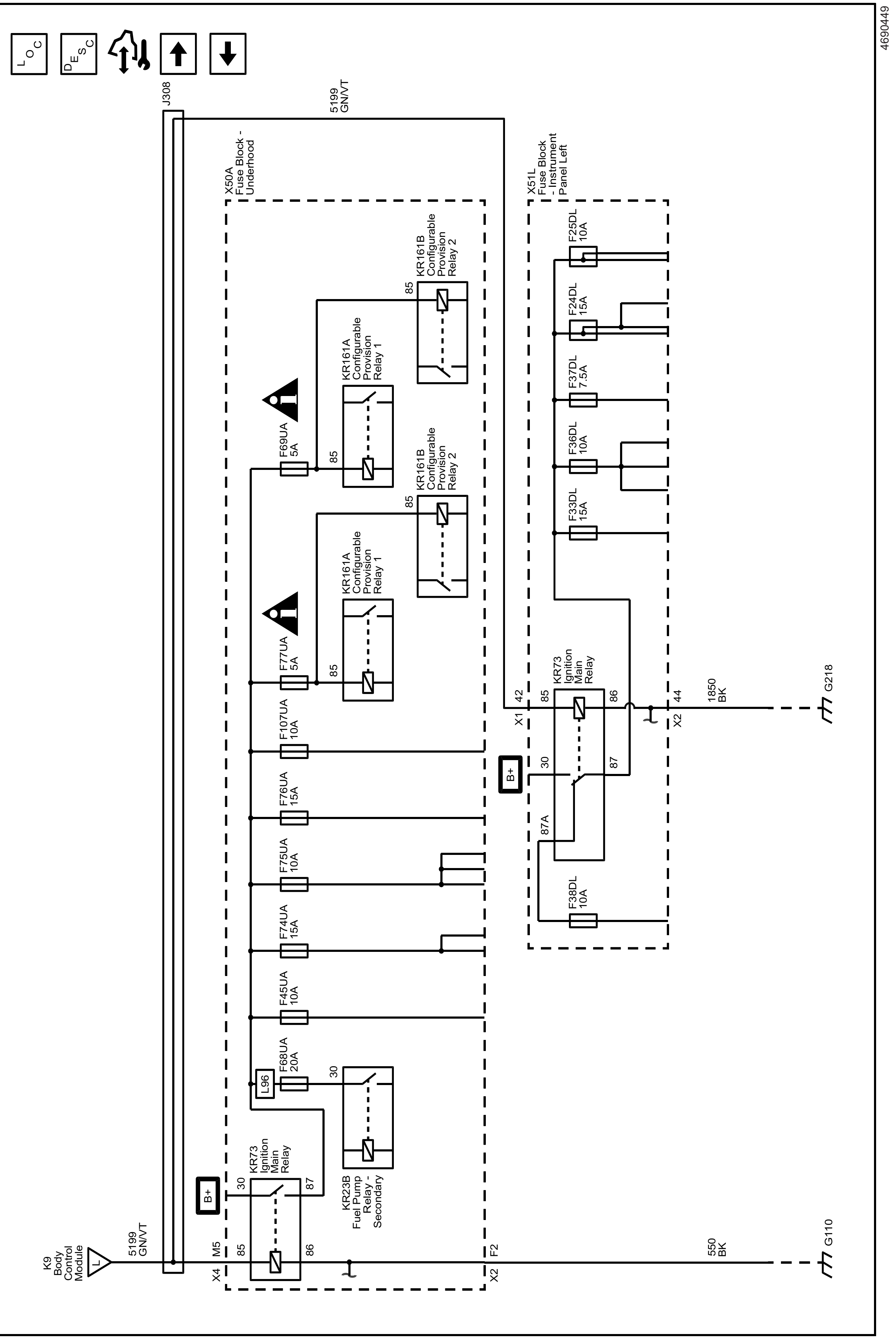
4690445

Power Moding Schematics (Ignition Switch (without BTM) and Ignition Power)

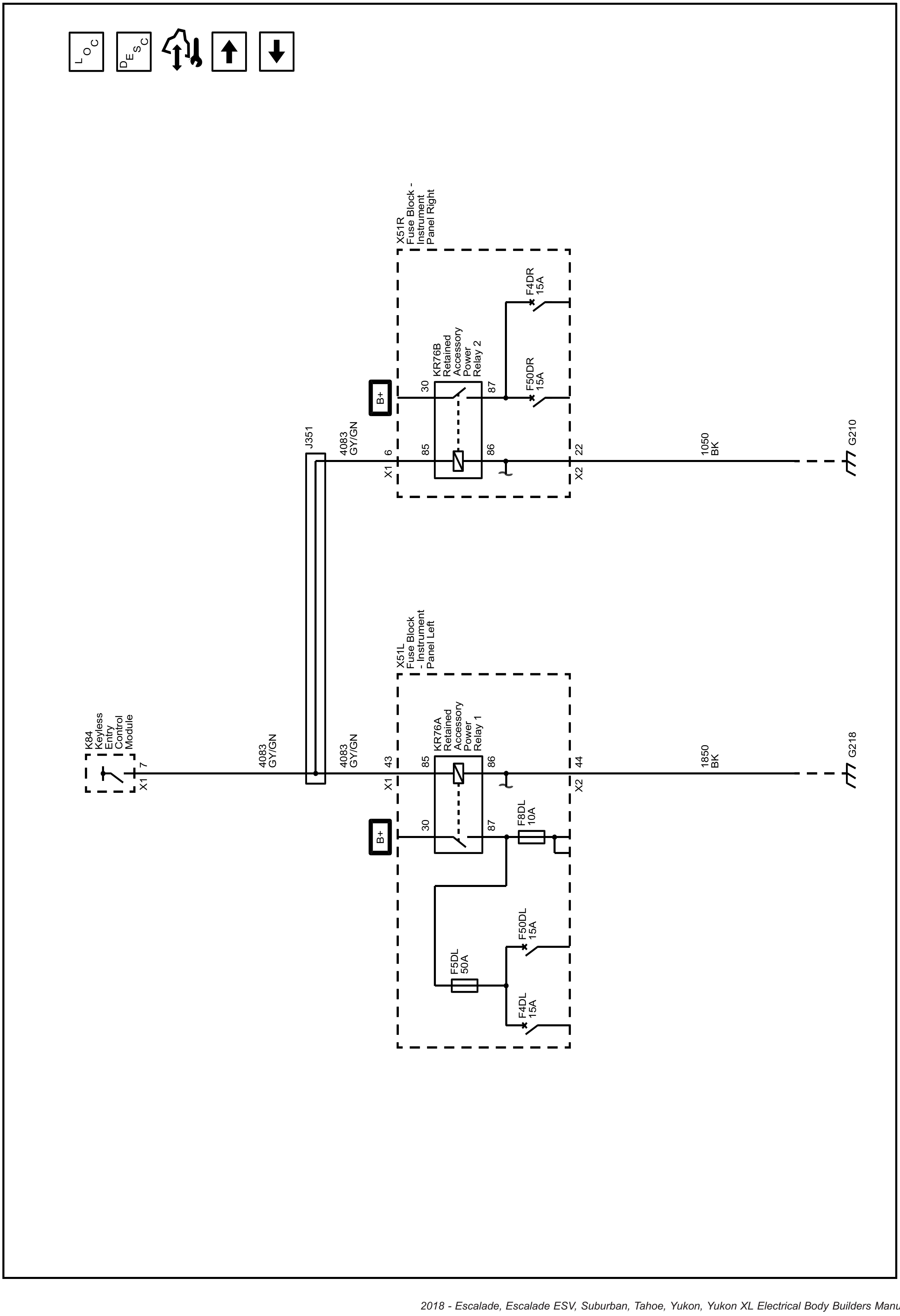


4690447
L O C
D E S C
B+
F16DL
2A
X51L
Fuse Block
- Instrument
Panel Left
X2
5
540
RD/BU
X201
4
-BTM
540
RD/BU
4
6
S39
Ignition
Switch
I
II
III
1.3K Ω
750 Ω
5V
1073
WH/BK
1020
WH/VT
3
4
VT/YE
2
3
VT/BK
-BTM
BTM
K84
Keyless
Entry
Control
Module
X1
13
5
X225
17
18
X201
3
24
VT/BK
VT/YE
K9
Body
Control
Module
X3
22
15
5
6
X4
22
15
5199
GN/VT
X50A
Fuse Block -
Underhood
L
J165
J309
J449
5985
VT/YE
X1 18 (L96)
X1 70 (L83/L86)
K20
Engine
Control
Module
IGN
M5U
51
K71
Transmission
Control
Module
MYC/MYD
X1
9
Q8
Control
Solenoid
Valve
Assembly
T12
Automatic
Transmission
Assembly
X115
16
-JL1/NP0/NQH
JL1/NP0/NQH
NP0/NQH
X2
38
X61A
Junction
Block -
Instrument
Panel
X9
7
X2
6
K69
Transfer
Case
Control
Module
X185
20
(L96)-(JL1/Z85)
(L83/L86)+(JL1/Z85)
(L83/L86)-(JL1/Z85)
7
K111
Fuel Pump Driver
Control Module
14
K38A
Chassis
Control
Module -
Auxiliary

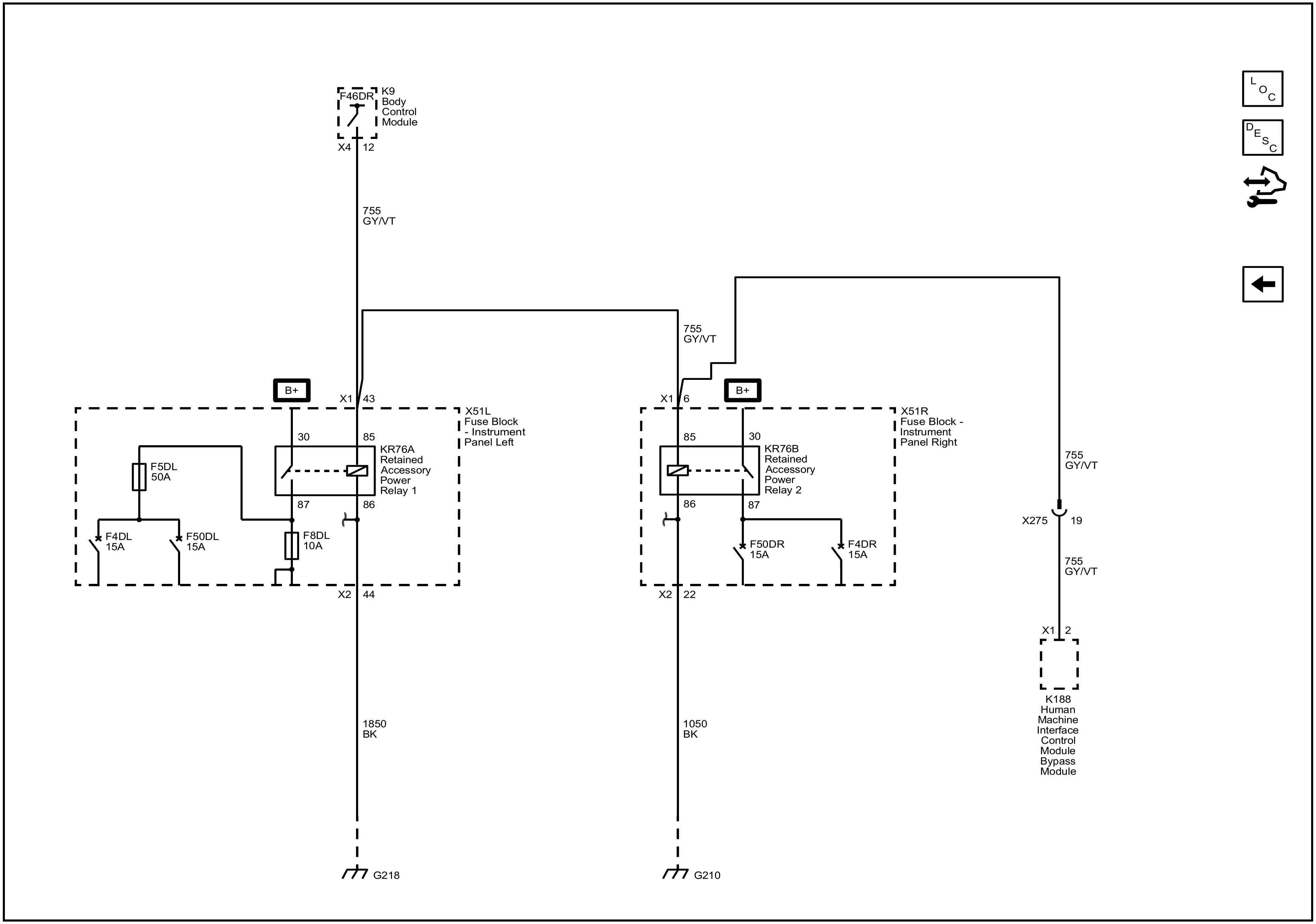
Power Moding Schematics (Ignition Main Relay)


4690449
LOC
DESC
J308
5199 GN/VT
X50A Fuse Block - Underhood
X51L Fuse Block - Instrument Panel Left
KR161B Configurable Provision Relay 2
KR161A Configurable Provision Relay 1
85
F69UA 5A
F77UA 5A
F107UA 10A
F76UA 15A
F75UA 10A
F74UA 15A
F45UA 10A
F68UA 20A
L96
30
KR23B Fuel Pump Relay - Secondary
KR73 Ignition Main Relay
B+
30
87
85
86
K9 Body Control Module
L
5199 GN/VT
M5
X4
F2
X2
550 BK
G110
F25DL 10A
F24DL 15A
F37DL 7.5A
F36DL 10A
F33DL 15A
F38DL 10A
KR73 Ignition Main Relay
X1 42
85
86
30
87
87A
B+
X2 44
1850 BK
G218

Power Moding Schematics (Accessory Power (BTM))


4690452
LOC
DESC
X51R
Fuse Block - Instrument Panel Right
F4DR
15A
KR76B
Retained Accessory Power Relay 2
F50DR
15A
30
87
B+
J351
4083
GY/GN
X1 6
85
86
22
X2
1050
BK
G210
X51L
Fuse Block - Instrument Panel Left
K84
Keyless Entry Control Module
X1 7
4083
GY/GN
4083
GY/GN
X1 43
KR76A
Retained Accessory Power Relay 1
85
86
44
X2
1850
BK
G218
30
87
B+
F8DL
10A
F50DL
15A
F5DL
50A
F4DL
15A

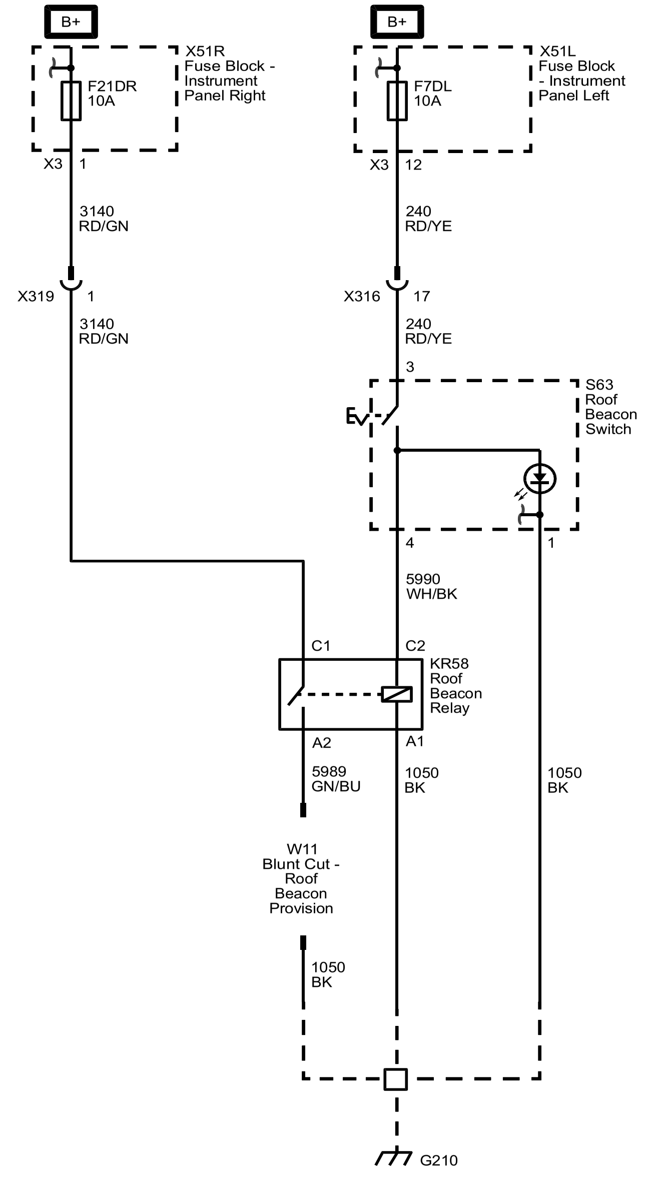
Power Moding Schematics (Accessory Power (without BTM))



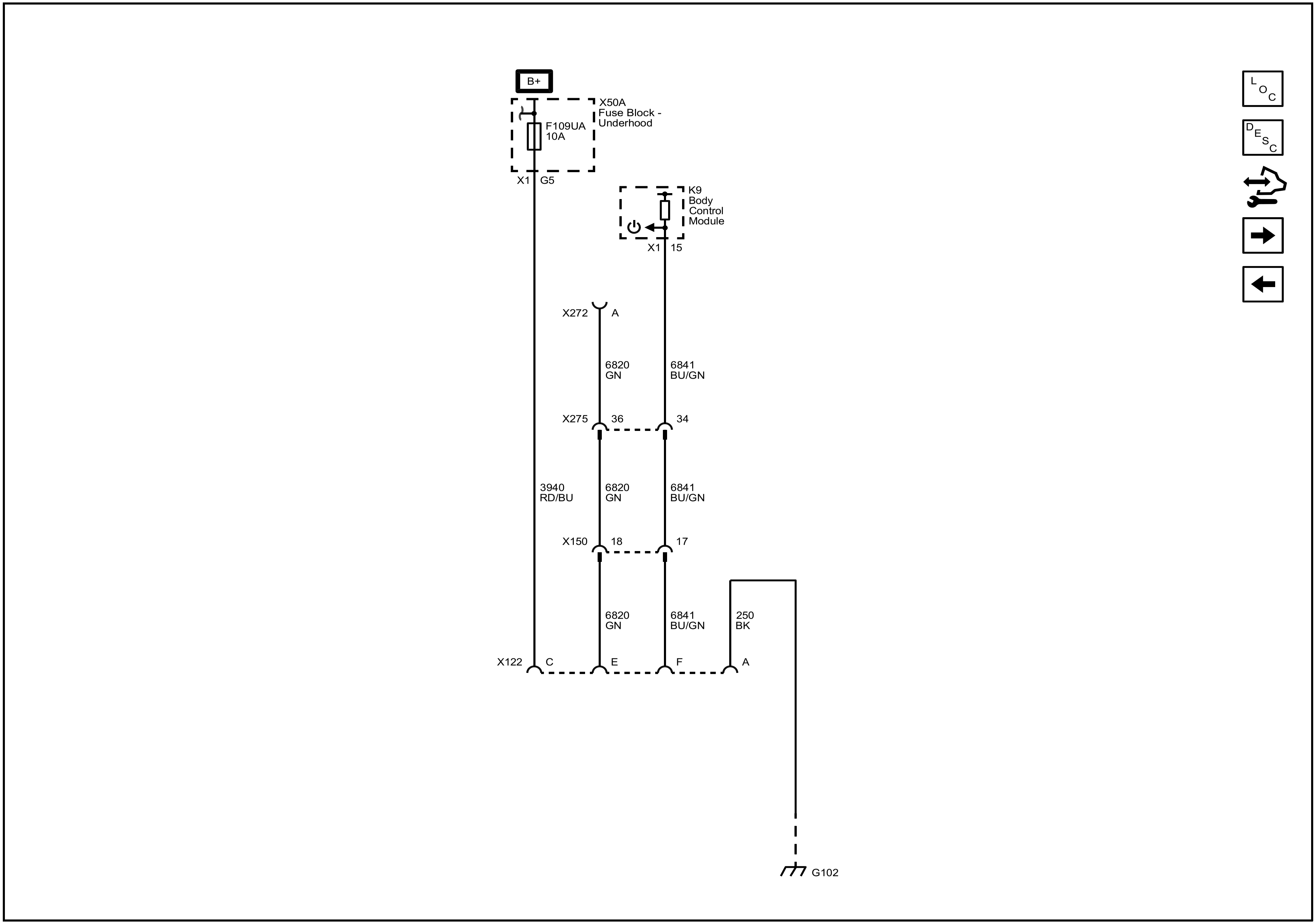
LOC
DESC
F46DR
K9 Body Control Module
X4 12
755 GY/VT
B+
X1 43
X51L Fuse Block - Instrument Panel Left
30
85
KR76A Retained Accessory Power Relay 1
87
86
F5DL 50A
F4DL 15A
F50DL 15A
F8DL 10A
X2 44
1850 BK
G218
755 GY/VT
X1 6
B+
X51R Fuse Block - Instrument Panel Right
85
30
KR76B Retained Accessory Power Relay 2
86
87
F50DR 15A
F4DR 15A
X2 22
1050 BK
G210
755 GY/VT
X275 19
755 GY/VT
X1 2
K188 Human Machine Interface Control Module Bypass Module

4690454

Upfitter Provision Schematics (Roof Beacon Provisions (TRW))


B+
X51R
Fuse Block - Instrument Panel Right
F21DR
10A
X3
1
3140
RD/GN
X319
1
3140
RD/GN
B+
X51L
Fuse Block - Instrument Panel Left
F7DL
10A
X3
12
240
RD/YE
X316
17
240
RD/YE
3
S63
Roof
Beacon
Switch
4
1
5990
WH/BK
C1
C2
KR58
Roof
Beacon
Relay
A2
A1
5989
GN/BU
1050
BK
1050
BK
W11
Blunt Cut - Roof Beacon Provision
1050
BK
G210
4690538

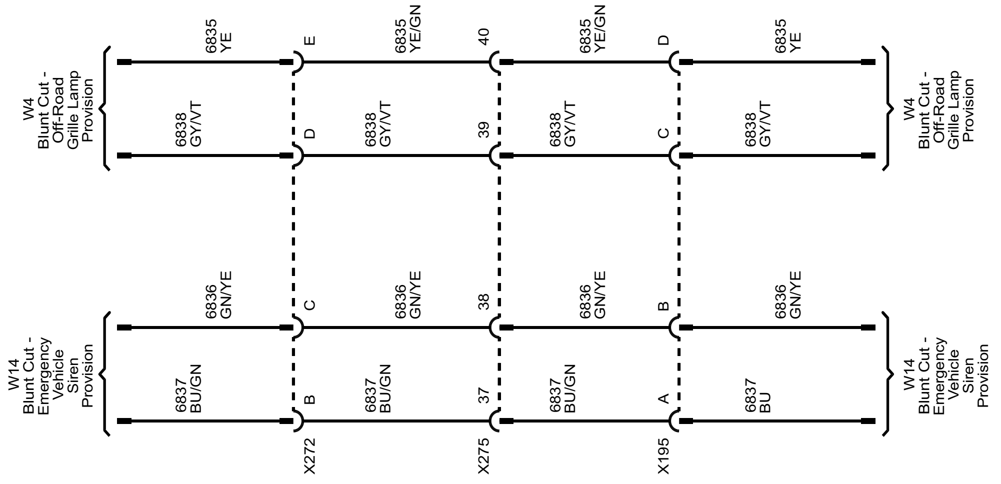
Upfitter Provision Schematics (Headlight Flasher Provisions (6J7))


B+
X50A
Fuse Block -
Underhood
F109UA
10A
X1 G5
K9
Body
Control
Module
X1 15
X272 A
6820
GN
6841
BU/GN
X275 36
34
3940
RD/BU
6820
GN
6841
BU/GN
X150 18
17
6820
GN
6841
BU/GN
250
BK
X122 C
E
F
A
G102

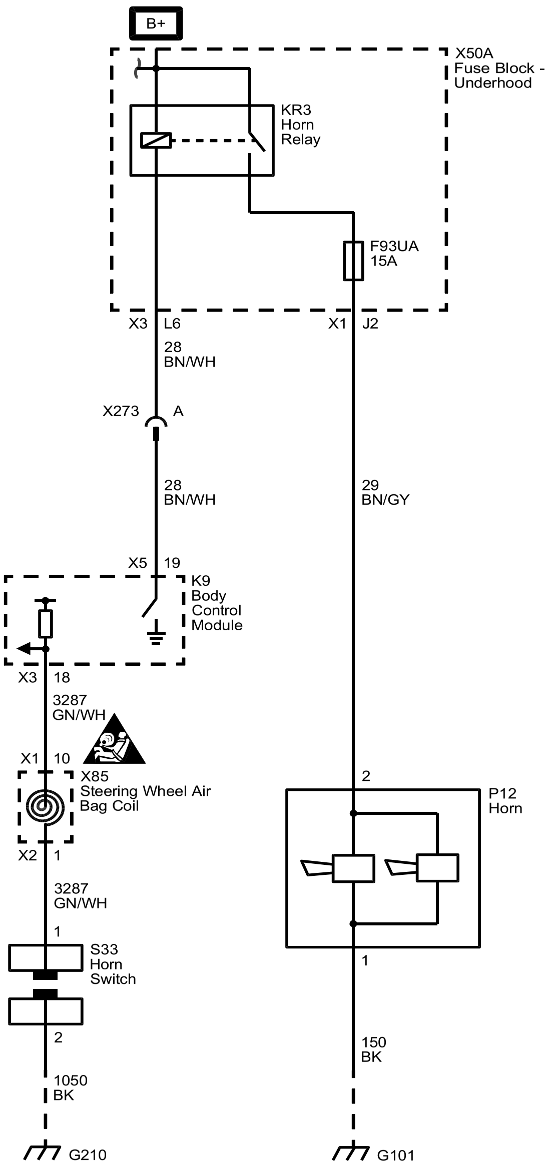
4690539

Upfitter Provision Schematics (Grille Lights and Siren Provisions (6J3))

4690541

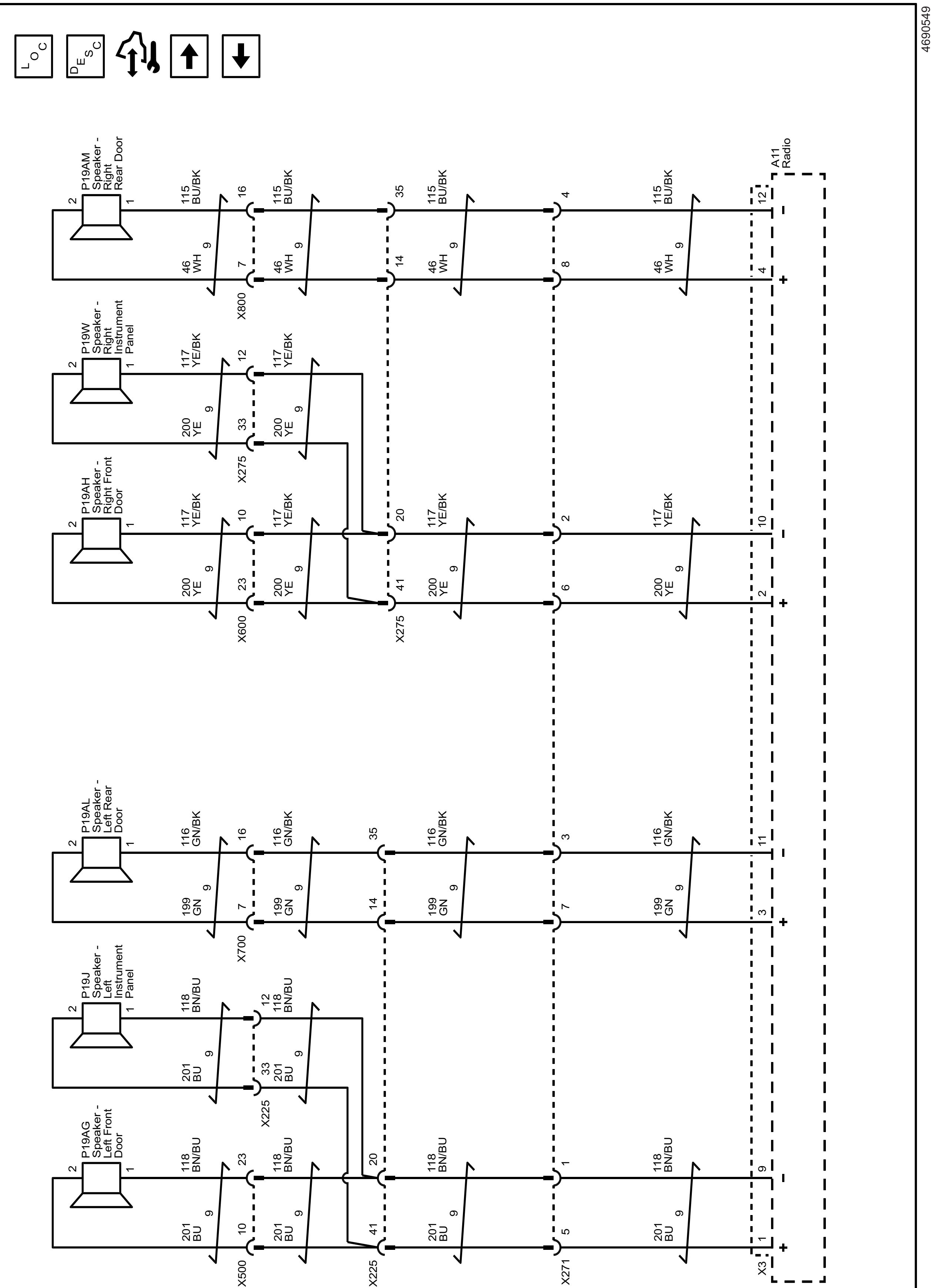

W14
Blunt Cut -
Emergency
Vehicle
Siren
Provision
6837
BU/GN
6836
GN/YE
W4
Blunt Cut -
Off-Road
Grille Lamp
Provision
6838
GY/VT
6835
YE
X272
B
C
D
E
6837
BU/GN
6836
GN/YE
6838
GY/VT
6835
YE/GN
X275
37
38
39
40
6837
BU/GN
6836
GN/YE
6838
GY/VT
6835
YE/GN
X195
A
B
C
D
6837
BU
6836
GN/YE
6838
GY/VT
6835
YE
W14
Blunt Cut -
Emergency
Vehicle
Siren
Provision
W4
Blunt Cut -
Off-Road
Grille Lamp
Provision

Upfitter Provision Schematics (Horn Provision (6J4))

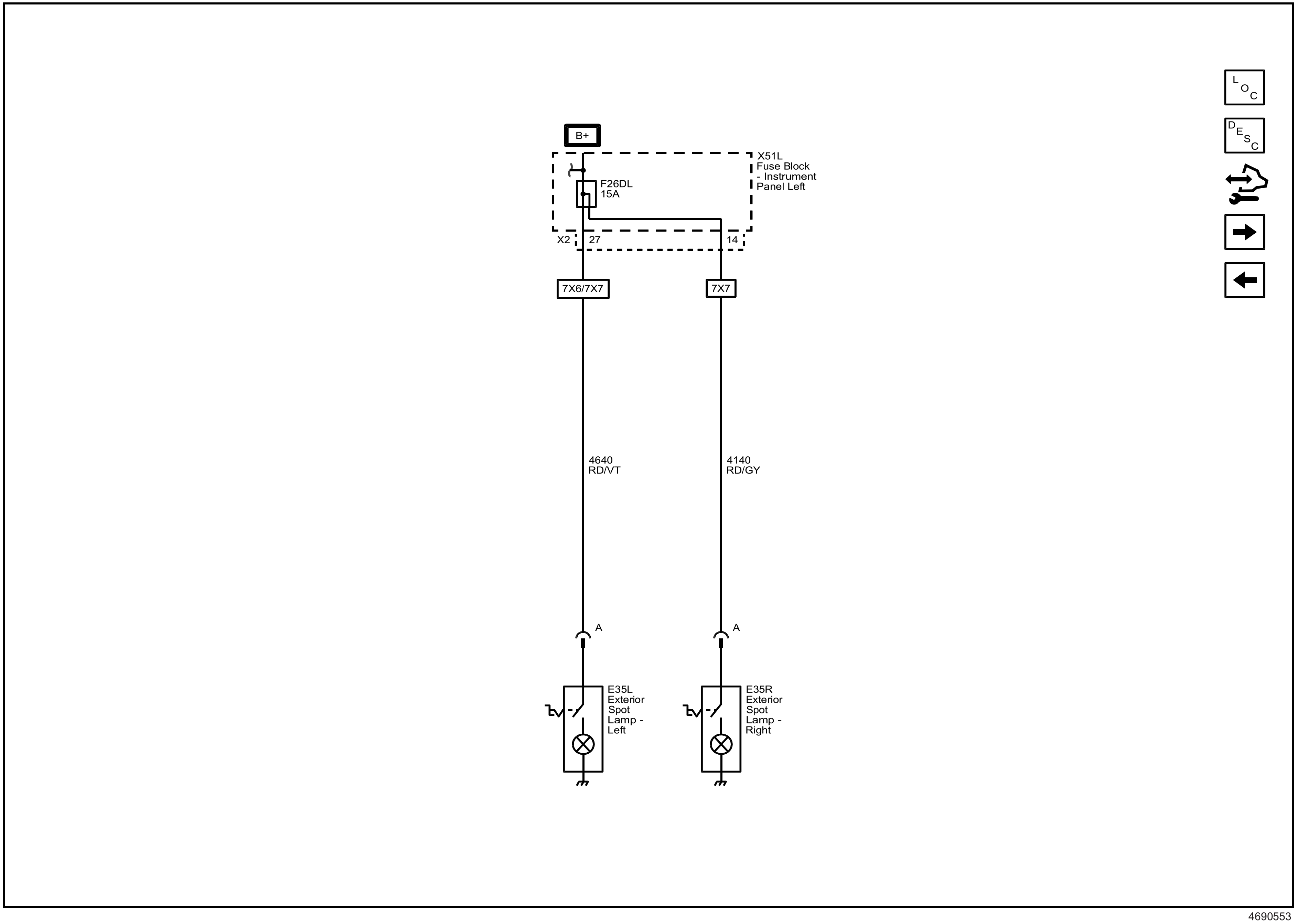

B+
X50A
Fuse Block -
Underhood
KR3
Horn
Relay
F93UA
15A
X3 L6
X1 J2
28
BN/WH
X273 A
28
BN/WH
29
BN/GY
X5 19
K9
Body
Control
Module
X3 18
3287
GN/WH
X1 10
X85
Steering Wheel Air
Bag Coil
X2 1
3287
GN/WH
1
S33
Horn
Switch
2
1050
BK
G210
2
P12
Horn
1
150
BK
G101

4690542

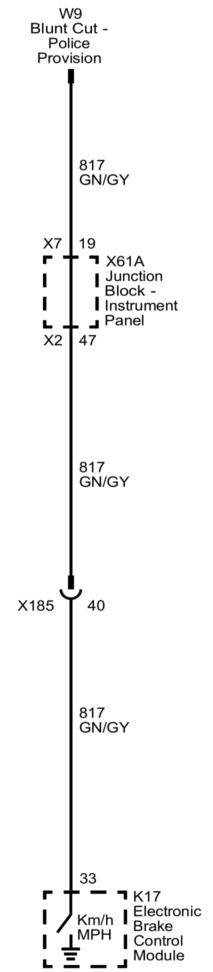
Upfitter Provision Schematics (Speaker Inline Provision (WX7))


LOC
DESC
4690549
P19AM Speaker - Right Rear Door
P19W Speaker - Right Instrument Panel
P19AH Speaker - Right Front Door
P19AL Speaker - Left Rear Door
P19J Speaker - Left Instrument Panel
P19AG Speaker - Left Front Door
A11 Radio
115 BU/BK
46 WH
117 YE/BK
200 YE
116 GN/BK
199 GN
118 BN/BU
201 BU
X800
X275
X600
X700
X225
X500
X271
X3
1
2
3
4
5
6
7
8
9
10
11
12
14
16
20
23
33
35
41
-
+

Upfitter Provision Schematics (Spot Light (7X6 and 7X7))

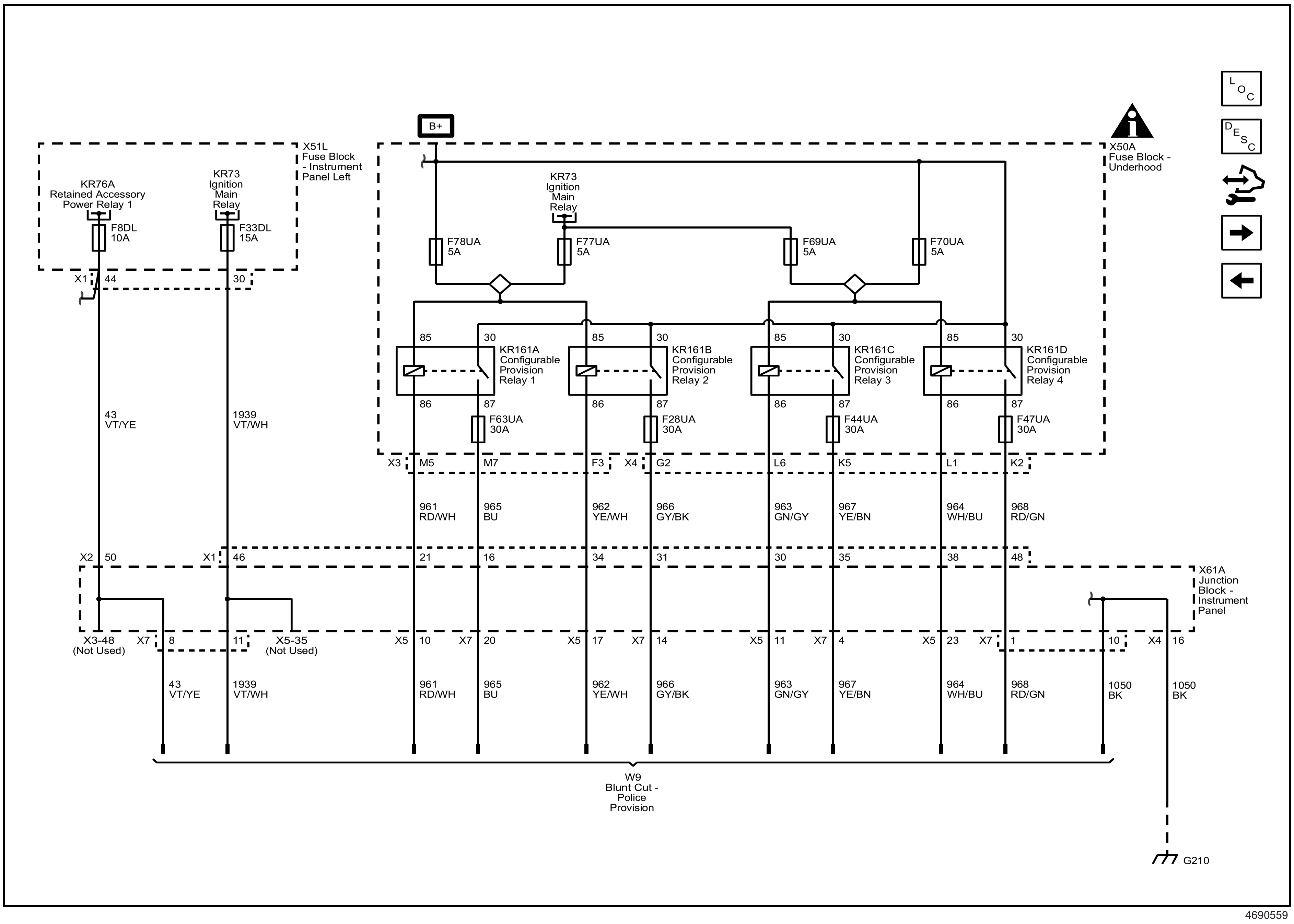

B+
X51L
Fuse Block
- Instrument
Panel Left
F26DL
15A
X2
27
14
7X6/7X7
7X7
4640
RD/VT
4140
RD/GY
A
A
E35L
Exterior
Spot
Lamp -
Left
E35R
Exterior
Spot
Lamp -
Right
LOC
DESC
4690553

Upfitter Provision Schematics (Center Instrument Panel - Marked "Circuit 817")

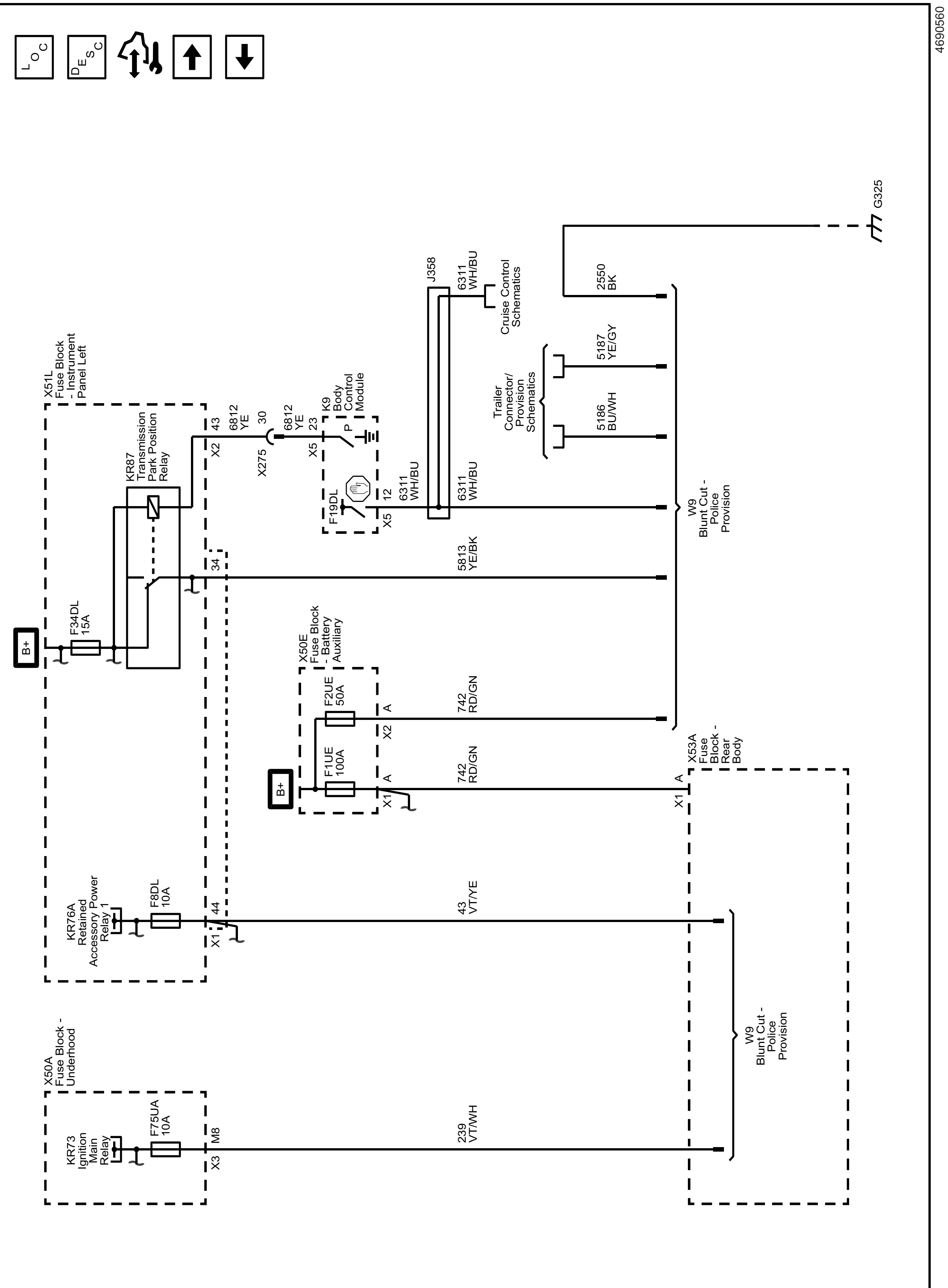

W9
Blunt Cut -
Police
Provision
817
GN/GY
X7
19
X61A
Junction
Block -
Instrument
Panel
X2
47
817
GN/GY
X185
40
817
GN/GY
33
K17
Electronic
Brake
Control
Module
Km/h
MPH

4690555

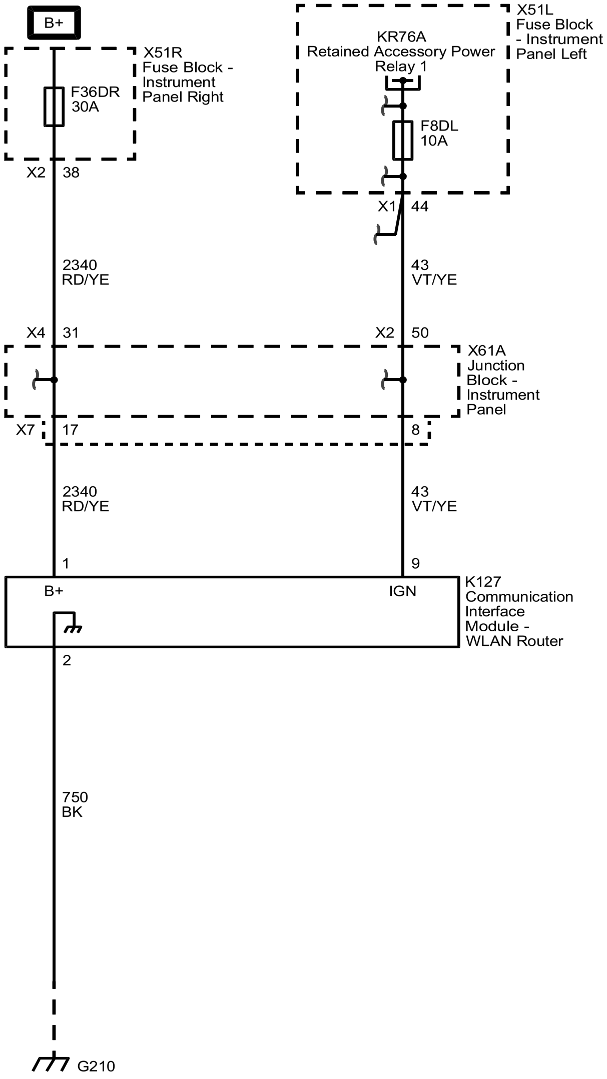
Upfitter Provision Schematics (Center Instrument Panel - Marked "Circuit 5W4 /9C1")


L O C
D E S C
B+
X50A
Fuse Block -
Underhood
X51L
Fuse Block
- Instrument
Panel Left
KR76A
Retained Accessory
Power Relay 1
KR73
Ignition
Main
Relay
F8DL
10A
F33DL
15A
X1
44
30
KR73
Ignition
Main
Relay
F78UA
5A
F77UA
5A
F69UA
5A
F70UA
5A
85
30
KR161A
Configurable
Provision
Relay 1
86
87
F63UA
30A
85
30
KR161B
Configurable
Provision
Relay 2
86
87
F28UA
30A
85
30
KR161C
Configurable
Provision
Relay 3
86
87
F44UA
30A
85
30
KR161D
Configurable
Provision
Relay 4
86
87
F47UA
30A
X3
M5
M7
F3
X4
G2
L6
K5
L1
K2
43
VT/YE
1939
VT/WH
961
RD/WH
965
BU
962
YE/WH
966
GY/BK
963
GN/GY
967
YE/BN
964
WH/BU
968
RD/GN
X2
50
X1
46
21
16
34
31
30
35
38
48
X61A
Junction
Block -
Instrument
Panel
X3-48
(Not Used)
X7
8
11
X5-35
(Not Used)
X5
10
X7
20
X5
17
X7
14
X5
11
X7
4
X5
23
X7
1
10
X4
16
43
VT/YE
1939
VT/WH
961
RD/WH
965
BU
962
YE/WH
966
GY/BK
963
GN/GY
967
YE/BN
964
WH/BU
968
RD/GN
1050
BK
1050
BK
W9
Blunt Cut -
Police
Provision
G210
4690559

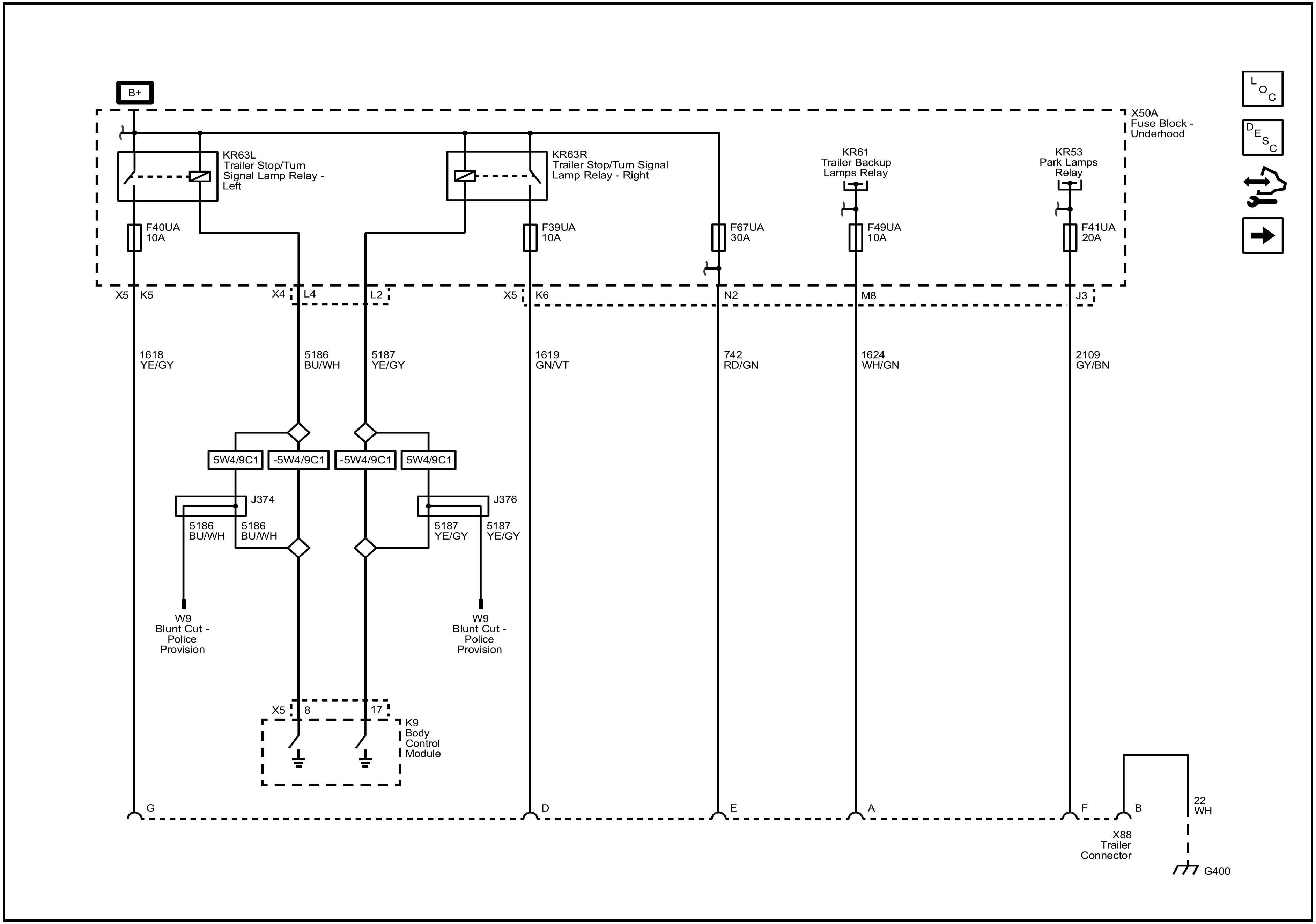
Upfitter Provision Schematics (Passenger Footwell and Rear Fuse Block (5W4 or 9C1))


4690560
LOC
DESC
X51L Fuse Block - Instrument Panel Left
KR87 Transmission Park Position Relay
B+
F34DL 15A
X2 43
6812 YE
30
X275
6812 YE
23
X5
K9 Body Control Module
P
F19DL
12
X5
6311 WH/BU
J358
6311 WH/BU
Cruise Control Schematics
Trailer Connector/ Provision Schematics
5187 YE/GY
5186 BU/WH
2550 BK
G325
W9 Blunt Cut - Police Provision
34
5813 YE/BK
X50E Fuse Block - Battery Auxiliary
F2UE 50A
A
X2
742 RD/GN
F1UE 100A
A
X1
742 RD/GN
X53A Fuse Block - Rear Body
A
X1
KR76A Retained Accessory Power Relay 1
F8DL 10A
44
X1
43 VT/YE
W9 Blunt Cut - Police Provision
X50A Fuse Block - Underhood
KR73 Ignition Main Relay
F75UA 10A
M8
X3
239 VT/WH

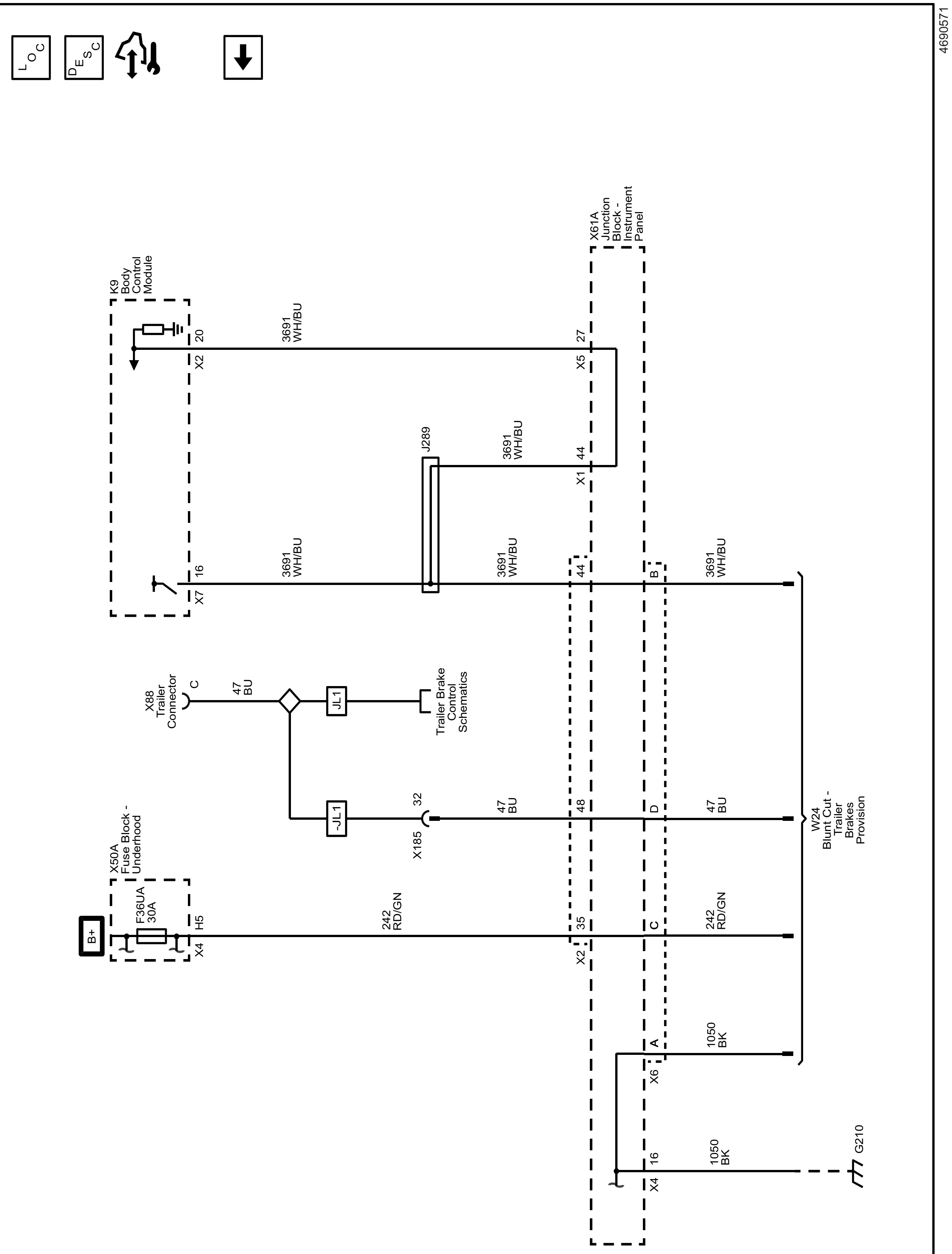
Upfitter Provision Schematics (Vehicle WiFi Router (Accessory Router))


B+
X51R
Fuse Block -
Instrument
Panel Right
F36DR
30A
X2 38
2340
RD/YE
X51L
Fuse Block
- Instrument
Panel Left
KR76A
Retained Accessory Power
Relay 1
F8DL
10A
X1 44
43
VT/YE
X4 31
X2 50
X61A
Junction
Block -
Instrument
Panel
X7 17
8
2340
RD/YE
43
VT/YE
1
9
B+
IGN
K127
Communication
Interface
Module -
WLAN Router
2
750
BK
G210
4690565

Trailer Connector/Provision Schematics (Trailer Connector Pins: A, B, D, E, F, G)


B+
X50A
Fuse Block -
Underhood
KR63L
Trailer Stop/Turn
Signal Lamp Relay -
Left
KR63R
Trailer Stop/Turn Signal
Lamp Relay - Right
KR61
Trailer Backup
Lamps Relay
KR53
Park Lamps
Relay
F40UA
10A
F39UA
10A
F67UA
30A
F49UA
10A
F41UA
20A
X5
K5
X4
L4
L2
X5
K6
N2
M8
J3
1618
YE/GY
5186
BU/WH
5187
YE/GY
1619
GN/VT
742
RD/GN
1624
WH/GN
2109
GY/BN
5W4/9C1
-5W4/9C1
-5W4/9C1
5W4/9C1
J374
J376
5186
BU/WH
5186
BU/WH
5187
YE/GY
5187
YE/GY
W9
Blunt Cut -
Police
Provision
W9
Blunt Cut -
Police
Provision
X5
8
17
K9
Body
Control
Module
G
D
E
A
F
B
22
WH
X88
Trailer
Connector
G400
L O C
D E S C
4690569

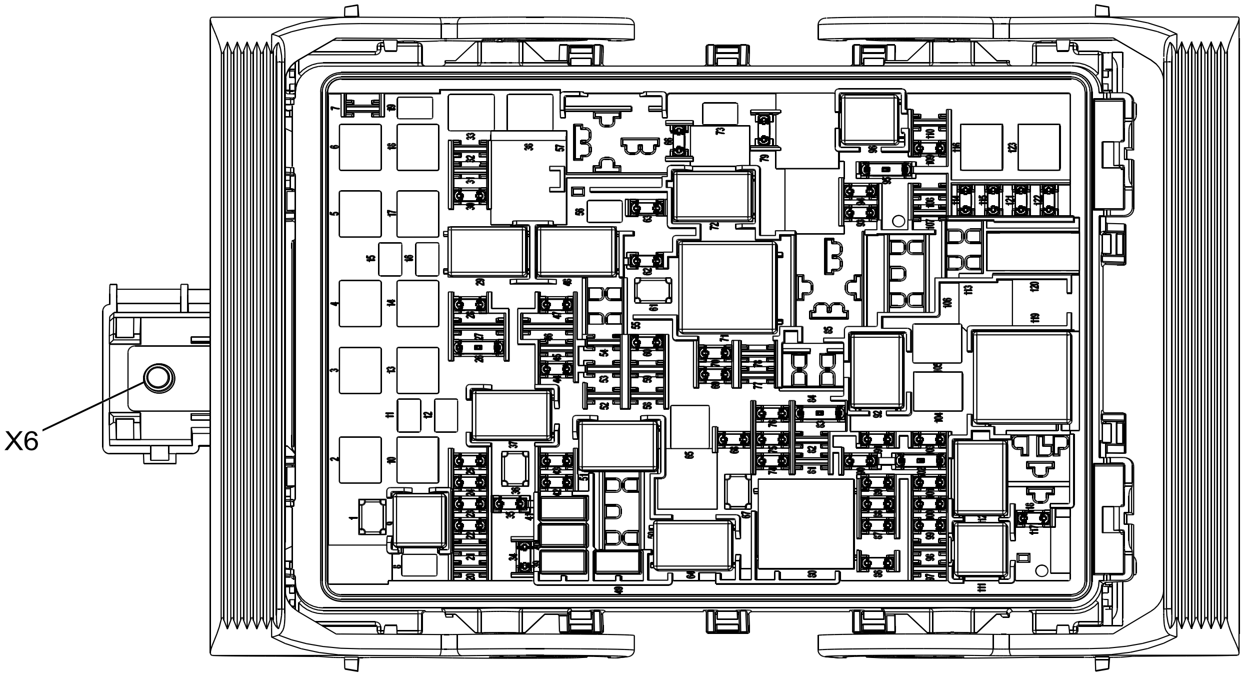
Trailer Connector/Provision Schematics (Trailer Connector Pin: C)


4690571
LOC
DESC
K9
Body
Control
Module
X2 20
3691
WH/BU
X7 16
X61A
Junction
Block -
Instrument
Panel
X5 27
J289
X1 44
X2 44
B
X88
Trailer
Connector
C
47
BU
JL1
Trailer Brake
Control
Schematics
~JL1
X185 32
48
D
W24
Blunt Cut -
Trailer
Brakes
Provision
B+
X50A
Fuse Block -
Underhood
F36UA
30A
X4 H5
242
RD/GN
35
C
X6 A
1050
BK
X4 16
G210

Component Locator

Electrical Center Identification Views

X50A Fuse Block - Underhood Top View



4630143

Usage Table

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
1	ELEC RNG BDS	F1UA	30A	• K4 Assist Step Control Module
2	ABS PUMP	F2UA	60A	• K17 Electronic Brake Control Module
3	INT BEC LT1	F3UA	60A	• X51L Fuse Block - Instrument Panel Left
4	MSB PASS	F4UA	40A	• M101R Seat Belt Retractor Motor Module - Right (AX7)
5	SUSP LEVELING CMPRSR	F5UA	40A	• KR98 Vehicle Level Control Compressor Relay (Z85 or Z95)
6	4WD TREC	F6UA	30A	• A16 Transfer Case Motor (NP0 or NQH) • K69 Transfer Case Control Module (NP0 or NQH)
7	—	F7UA	—	• Not Used
8	—	F8UA	—	• Not Used
10	ELEC PRK BRK	F10UA	40A	• K83 Parking Brake Control Module (J71)
11	—	F11UA	—	• Not Used
12	—	F12UA	—	• Not Used
13	INT BEC LT2	F13UA	60A	• X51L Fuse Block - Instrument Panel Left

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
14	REAR BEC1	F14UA	60A	• X53A Fuse Block - Rear Body
15	—	F15UA	—	• Not Used
16	—	F16UA	—	• Not Used
17	MSB DRVR	F17UA	40A	• M101L Seat Belt Retractor Motor Module - Left (AX7)
18	—	F18UA	—	• Not Used
19	—	F19UA	—	• Not Used
20	—	F20UA	—	• Not Used
21	ALC EXH SOL	F21UA	15A	• Q4 Vehicle Level Control Solenoid Valve (Z85)
22	FUEL PUMP	F22UA	20A	• KR23A Fuel Pump Relay (L96) • A7 Fuel Pump and Level Sensor Assembly (L96)
23	ICCM	F23UA	10A	• K38 Chassis Control Module (JL1 or Z85)
24	RTD	F24UA	30A	• K19 Suspension Control Module (Z95)
25	FPPM	F25UA	30A	• K111 Fuel Pump Driver Control Module (L83 or L86)
26	AHA_RVC	F26UA	5A	• K9 Body Control Module
27	—	F27UA	—	• Not Used
28	UPFIT 2	F28UA	30A	• W9 Blunt Cut - Police Provision (5W4 or 9C1)
30	WPR	F30UA	25A	• KR12B Windshield Wiper Relay • KR12C Windshield Wiper Speed Control Relay
31	TIM	F31UA	25A	• K101 Trailer Interface Control Module (VQ9)
32	—	F32UA	—	• Not Used
33	—	F33UA	—	• Not Used
34	BCK UP LP	F34UA	10A	• A10 Inside Rearview Mirror (DD8) • B87 Rearview Camera (DD8 without UVH) • E5A Backup Lamp - Left • E5B Backup Lamp - Right
35	ABS VLV	F35UA	25A	• K17 Electronic Brake Control Module
36	TRLR BRK	F36UA	30A	• K67 Trailer Brake Control Module (JL1) • W24 Blunt Cut Trailer Brakes Provision (without JL1)
38	—	F38UA	—	• Not Used
39	TRLR STOP TRN RT	F39UA	10A	• X88 Trailer Connector
40	TRLR STOP TRN LT	F40UA	10A	• X88 Trailer Connector
41	PRK LP TRLR	F41UA	20A	• X88 Trailer Connector
42	PRK LP RT	F42UA	15A	• E2RF Side Marker Lamp - Right Front (X88 or Z88) • E4K Park Lamp - Right Front (without Y91 or Z75) • E5F Tail Lamp - Right (Z75 or Z88) • E13RA Headlamp Assembly - Right (Z75) • E42R Tail Lamp Assembly - Right (X88) • E69R Multifunction Lamp Assembly - Front Fascia Right (Z75)

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
43	PRK LP LT	F43UA	15A	• E2LF Side Marker Lamp - Left Front (X88 or Z88) • E4J Park Lamp - Left Front (without Y91 or Z75) • E5E Tail Lamp - Left (Z75 or Z88) • E13LA Headlamp Assembly - Left (Z75) • E42L Tail Lamp Assembly - Left (X88) • E69L Multifunction Lamp Assembly - Front Fascia Left (Z75)
44	UPFIT 3	F44UA	30A	• W9 Blunt Cut - Police Provision (5W4 or 9C1)
45	ALC RUN/CRANK	F45UA	10A	• KR98 Vehicle Level Control Compressor Relay (Z85)
46	—	F46UA	—	• Not Used
47	UPFIT 4	F47UA	30A	• W9 Blunt Cut - Police Provision (5W4 or 9C1)
49	REV LP	F49UA	10A	• X88 Trailer Connector
52	—	F52UA	—	• Not Used
53	—	F53UA	—	• Not Used
54	—	F54UA	—	• Not Used
56	—	F56UA	—	• Not Used
58	—	F58UA	—	• Not Used
59	EURO TRLR	F59UA	20A	• W8 Blunt Cut - Trailer Provision (VQ9)
60	A/C CONTRL	F60UA	10A	• KR29 A/C Compressor Clutch Relay
61	—	F61UA	—	• Not Used
62	—	F62UA	—	• Not Used
63	UPFIT 1	F63UA	30A	• W9 Blunt Cut - Police Provision (5W4 or 9C1)
65	—	F65UA	—	• Not Used
66	—	F66UA	—	• Not Used
67	TRLR BATT	F67UA	30A	• X88 Trailer Connector
68	SEC FUEL PUMP	F68UA	20A	• KR23B Fuel Pump Relay - Secondary (L96) • A6D Fuel Pump and Level Sensor Assembly - Secondary (L96)
69	RC UPFIT 3 _ 4	F69UA	5A	• KR161C Configurable Provision Relay 3 (5W4 or 9C1) • KR161D Configurable Provision Relay 4 (5W4 or 9C1)
70	VBAT UPFIT 3 _4	F70UA	5A	• KR161C Configurable Provision Relay 3 (5W4 or 9C1) • KR161D Configurable Provision Relay 4 (5W4 or 9C1)
73	—	F73UA	—	• Not Used
74	ECM IGN	F74UA	15A	• K20 Engine Control Module • K38 Chassis Control Module • K111 Fuel Pump Control Module (L83 or L86)
75	MISC IGN SPARE	F75UA	10A	• W9 Blunt Cut - Police Provision (5W4 or 9C1)
76	TRANS IGN	F76UA	15A	• K71 Transmission Control Module • Front Axle Engagement Actuator (NP0 or NQH)
77	RC UPFIT 1 _ 2	F77UA	5A	• KR161A Configurable Provision Relay 1 (5W4 or 9C1) • KR161B Configurable Provision Relay 2 (5W4 or 9C1)

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
78	VBAT UPFIT 1 _ 2	F78UA	5A	• KR161A Configurable Provision Relay 1 (5W4 or 9C1) • KR161B Configurable Provision Relay 2 (5W4 or 9C1)
79	—	F79UA	—	• Not Used
81	—	F81UA	—	• Not Used
82	—	F82UA	—	• Not Used
83	EURO TRLR RC	F83UA	10A	• K101 Trailer Interface Control Module (VQ9)
86	—	F86UA	—	• Not Used
87	ENG	F87UA	15A	• B75C Multifunction Intake Air Sensor • B198 Fuel Composition Sensor (without L96 or Z75)
88	INJ A ODD	F88UA	20A	• K20 Engine Control Module (L83 or L86) • Q17A Fuel Injector 1 (L96) • Q17C Fuel Injector 3 (L96) • Q17E Fuel Injector 5 (L96) • Q17G Fuel Injector 7 (L96) • T8A Ignition Coil 1 • T8C Ignition Coil 3 • T8E Ignition Coil 5 • T8G Ignition Coil 7
89	INJ B EVEN	F89UA	20A	• K20 Engine Control Module (L83 or L86) • Q17B Fuel Injector 2 (L96) • Q17D Fuel Injector 4 (L96) • Q17F Fuel Injector 6 (L96) • Q17H Fuel Injector 8 (L96) • T8B Ignition Coil 2 • T8D Ignition Coil 4 • T8F Ignition Coil 6 • T8H Ignition Coil 8
90	O2 B SNSR	F90UA	15A	• B52D Heated Oxygen Sensor - Bank 1 Sensor 2 • B52F Heated Oxygen Sensor - Bank 2 Sensor 2
91	THROT CONT	F91UA	15A	• K20 Engine Control Module (L96) • M60A Active Grille Air Shutter 1 Motor Module (Z75) • M60B Active Grille Air Shutter 2 Motor Module (Z75)
93	HORN	F93UA	15A	• P12 Horn
94	FOG LP	F94UA	15A	• E29LF Fog Lamp - Left Front (T3U) • E29RF Fog Lamp - Right Front (T3U)
95	LT/RT HI BEAM	F95UA	10A	• E4E Headlamp - Left High Beam (X88 or Z88) • E4F Headlamp - Right High Beam (X88 or Z88) • E13LA Headlamp Assembly - Left (Z75) • E13RA Headlamp Assembly - Right (Z75)
97	—	F97UA	—	• Not Used
98	—	F98UA	—	• Not Used
99	—	F99UA	—	• Not Used
100	O2 A SNSR	F100UA	15A	• B52C Heated Oxygen Sensor - Bank 1 Sensor 1 • B52E Heated Oxygen Sensor - Bank 2 Sensor 1 • Q12 Evaporative Emission Purge Solenoid Valve • Q43 Valve Lifter Oil Manifold Assembly (L83 or L86) • Q44 Engine Oil Pressure Control Solenoid Valve (L83 or L86)

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
101	ECM	F101UA	30A	• K20 Engine Control Module (L83 or L86)
102	ECM/TCM	F102UA	15A	• K20 Engine Control Module • K71 Transmission Control Module
103	INT HTR AUX	F103UA	10A	• KR79 Auxiliary Battery Relay 2 (5W4 or 9C1) • KR81 Auxiliary Battery Relay 1 (5W4 or 9C1)
104	STRTR	F104UA	40A	• KR27 Starter Relay
105	—	F105UA	—	• Not Used
107	AERO SHUTTER	F107UA	10A	• Not Used
108	—	F108UA	—	• Not Used
109	POLICE UPFIT	F109UA	10A	• X122 Forward Lamp Harness to Forward Lamp Harness (6J7)
110	—	F110UA	—	• Not Used
114	FRT WSW	F114UA	15A	• G24 Windshield Washer Pump
115	RR WSW	F115UA	15A	• G19 Rear Window Washer Pump
116	COOL FAN LT	F116UA	40A	• G10L Cooling Fan Motor - Left
117	PRIME RELAY	F117UA	5A	• KR171 Engine Control Module Wake-Up Relay
121	RT HID	F121UA	20A	• T7R Headlamp Ballast - Right (T4F)
122	LT HID	F122UA	20A	• T7L Headlamp Ballast - Left (T4F)
123	COOL FAN RT	F123UA	40A	• G10R Cooling Fan Motor - Right
Relays				
9	FUEL PUMP RLY	KR23A Fuel Pump Relay	—	• A7 Fuel Pump and Level Sensor Assembly (L96)
29	UPFIT 2 RLY	KR161B Configurable Provision Relay 2	—	• F28UA
37	UPFIT 3 RLY	KR161C Configurable Provision Relay 3	—	• F44UA
48	UPFIT 4 RLY	KR161D Configurable Provision Relay 4	—	• F47UA
50	—	—	—	• Not Used
51	PRK LP RLY	KR53 Park Lamps Relay	—	• F41UA • F42UA • F43UA
55	—	—	—	• Not Used
57	—	—	—	• Not Used
64	SEC FUEL PUMP RLY	KR23B Fuel Pump Relay — Secondary	—	• A6D Fuel Pump and Level Sensor Assembly — Secondary (L96)
71	—	—	—	• Not Used
72	UPFIT 1 RLY	KR161A Configurable Provision Relay 1	—	• F63UA
80	—	—	—	• Not Used

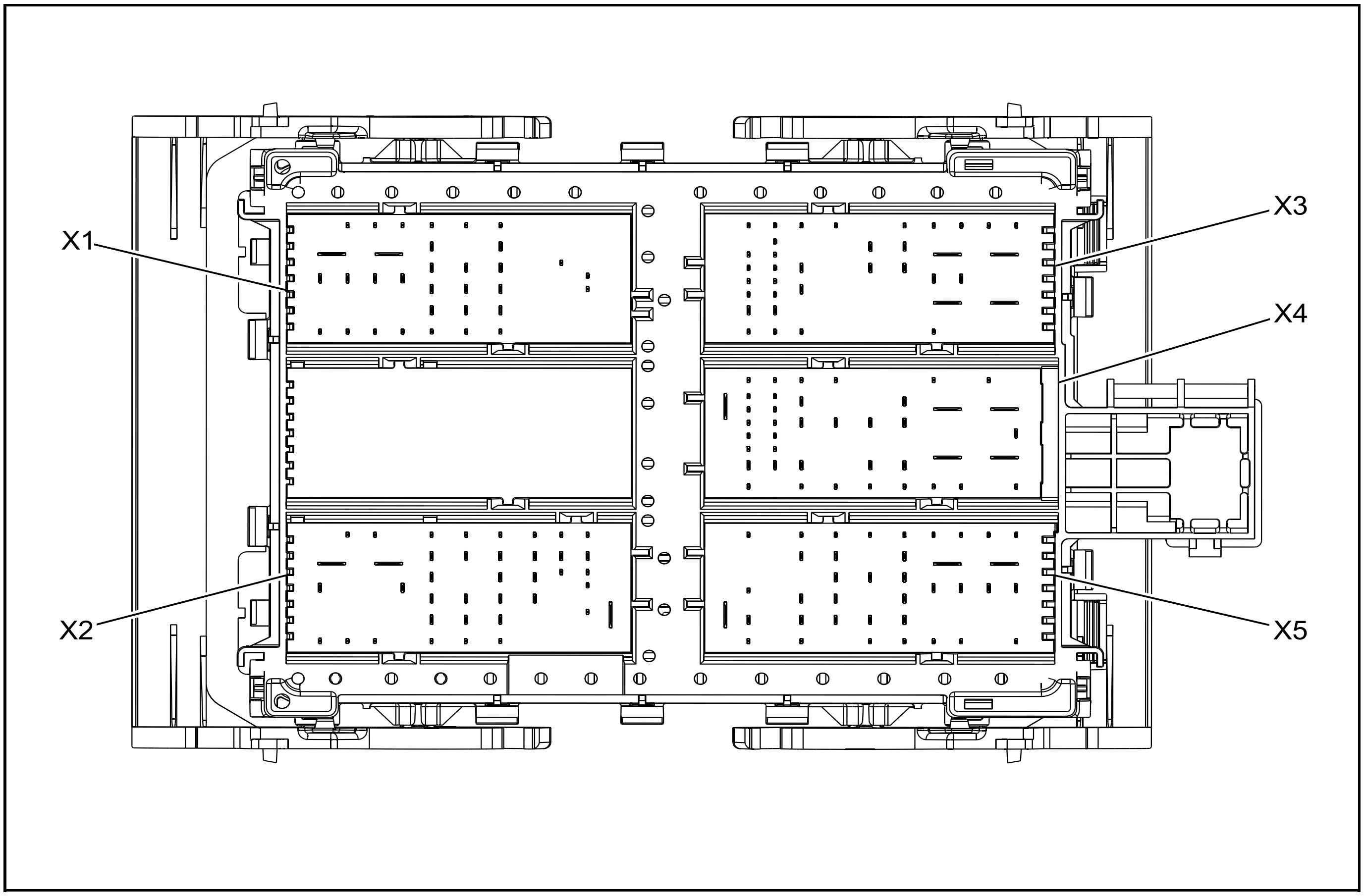
Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
84	RUN/CRNK RLY	KR73 Ignition Main Relay	—	• F45UA (Z85) • F69UA • F74UA • F76UA • F77UA • F107UA
85	—	—	—	• Not Used
92	ECM RLY	KR75 Engine Controls Ignition Relay	—	• F87UA • F88UA • F89UA • F90UA • F100UA • F101UA • KR29 A/C Compressor Clutch Relay
96	—	—	—	• Not Used
106	—	—	—	• Not Used
111	—	—	—	• Not Used
112	STRTR RLY	KR27 Starter Relay	—	• M64 Starter Motor
113	—	—	—	• Not Used
118	—	—	—	• Not Used
119	—	—	—	• Not Used
120	PRIME RELAY	KR171 Engine Control Module Wake-Up Relay	—	• F117UA
Important: Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block				
—	—	KR3 Horn Relay	—	• F93UA
—	—	KR6 Rear Window Washer Pump Relay	—	• F115UA
—	—	KR11 Windshield Washer Pump Relay	—	• F114UA
—	—	KR12B Windshield Wiper Relay	—	• KR12C Windshield Wiper Speed Control Relay
—	—	KR12C Windshield Wiper Speed Control Relay	—	• M75 Windshiled Wiper Motor
—	—	KR29 A/C Compressor Clutch Relay	—	• Q2 A/C Compressor Clutch
—	—	KR46 Front Fog Lamp Relay	—	• F94UA (T3U)
—	—	KR48 Headlamp High Beam Relay	—	• F95UA
—	—	KR49 Headlamp Low Beam Relay	—	• F121UA (T4F) • F122UA (T4F)
—	—	KR61 Trailer Backup Lamps Relay	—	• F34UA • F49UA
—	—	KR63L Trailer Stop/Turn Signal Lamp Relay - Left	—	• F40UA

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
—	—	KR63R Trailer Stop/Turn Signal Lamp Relay - Right	—	• F39UA
Note: Items listed below are diagnostic testing points				
TP1	—	TP1	—	• KR29 A/C Compressor Clutch Relay
TP2	—	TP2	—	• KR12C Windshield Wiper Speed Control Relay

X50A Fuse Block - Underhood Bottom View



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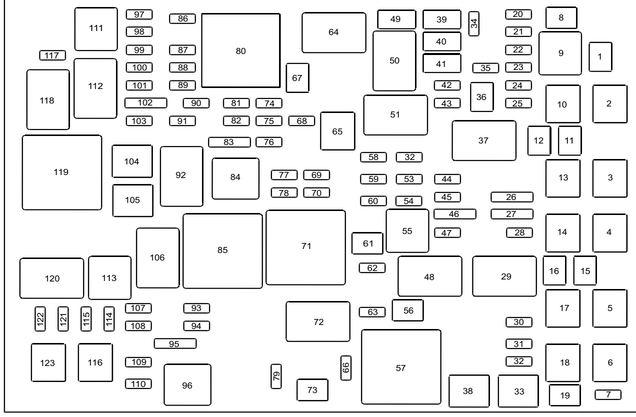
X50A Fuse Block - Underhood Label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1 30A ELEC RNG BDS
2 60A ABS PUMP
3 60A INT BEC LT1
4 40A MSB PASS
5 40A SUSP LEVELING CMPRSR
6 30 4WD TREC
9 FUEL PUMP RLY
10 40A ELEC PRK BRK
13 60A INT BEC LT2
14 60A REAR BEC1
17 40A MSB DRVR
21 15A ALC EXH SOL
22 20A FUEL PUMP
23 10A ICCM
24 30A RTD
25 30A FPPM
26 AHA_RVC
28 30A UPFIT 2
29 UPFIT 2 RLY
30 25A WPR
31 25A TIM
34 10A BCK UP LP
35 25A ABS VLV
36 30A TRLR BRK
37 UPFIT 3 RLY
39 10A TRLR STOP TRN RT
40 10A TRKR STOP TRB LT
41 20A PRK LP TRLR
42 15A PRK LP RT
43 15A PRK LP LT
44 30A UPFIT 3
45 10A ALC RUN/CRANK
47 30A UPFIT 4
48 UPFIT 4 RLY
49 10A REV LP
51 PRK LP RLY
59 20A EURO TRLR
60 10A A/C CONTRL
63 30A UPFIT 1
64 SEC FUEL PUMP RLY
67 30A TRLR BATT
69 5A RC UPFIT 3 & 4
70 5A VBAT UPFIT 3 & 4
72 UPFIT 1 RLY
74 15A ECM IGN
75 10A MISC IGN SPARE
76 15A TRANS IGN
77 5A RC UPFIT 1 & 2
78 5A VBAT UPFIT 1 & 2
83 10A EURO TRLR RC
84 RUN/CRNK RLY
87 15A ENG
88 20A INJ A ODD
89 20A INJ B EVEN
90 15A O2 B SNSR
91 15A THROT CONT
92 ECM RELAY
93 15A HORN
94 15A FOG LP
95 10A LT/RT HI BEAM
100 15A O2 A SNSR
101 30A ECM
102 15A ECM/TCM
103 10A INT HTR AUX
104 40A STRTR
107 10A AERO SHUTTER
109 10A POLICE UPFIT
112 STRTR RLY
114 15A FRT WSW
115 15A RR WSW
116 40A COOL FAN LT
117 5A PRIME RELAY
120 PRIME RELAY
121 20A RT HID
122 20A LT HID
123 40A COOL FAN RT

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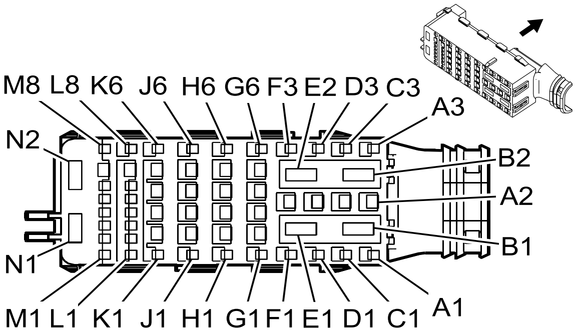
X50A Fuse Block - Underhood X1



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33116190
Service Connector: 19329923
Description: 58-Way F 1.5, 2.8, 800 Metri-Pack Series (BN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575544	J-35616-35 (VT)	J-38125-12A	1326030-6	Lear 17	E	C
II	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	19367554	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G

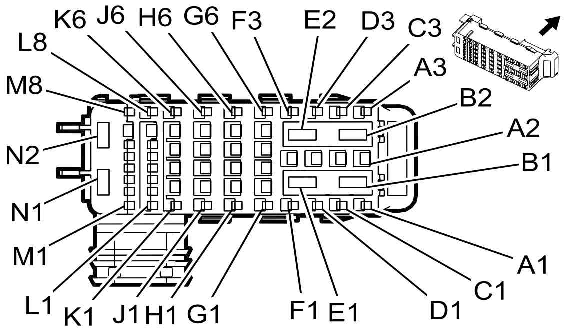
X50A Fuse Block - Underhood X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A1	—	—	—	Not Occupied	—	—
A2	0.75	YE	712	Left Headlamp Low Beam Control	II	—
A3 - B1	—	—	—	Not Occupied	—	—
B2	4	RD/GY	642	Battery Positive Voltage	IV	—
C1	—	—	—	Not Occupied	—	—
C2	0.75	YE	312	Right Headlamp Low Beam Control	II	—
C3	—	—	—	Not Occupied	—	—
D1	0.75	YE	712	Left Headlamp Low Beam Control	III	—
D2	0.75	BU/VT	392	Rear Window Washer Pump Control	II	—
D3	0.75	GN/VT	1315	Right Front Turn Signal Lamp Control	III	—
E1	—	—	—	Not Occupied	—	—
E2	4	RD/WH	342	Battery Positive Voltage	IV	—
F1	0.5	GY/BN	309	Right Park Lamp Control	III	—
F2	0.75	GY/VT	228	Windshield Washer Pump Control	II	—
F3	0.75	BU/WH	1314	Left Front Turn Signal Lamp Control	III	—
G1	0.5	VT/GY	709	Left Park Lamp Control	III	—

X50A Fuse Block - Underhood X1 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
G2 - G3	—	—	—	Not Occupied	—	—
G4	0.75	BK	150	Ground	II	—
G5	0.75	RD/BU	3940	Battery Positive Voltage	I	—
G6	—	—	—	Not Occupied	—	—
H1	0.5	YE/GY	57	Left Cornering Lamp Control	III	—
H2	0.75	GY/BU	7538	Left Front DRL Control	II	—
H3	0.75	BU/BN	7539	Right Front DRL Control	II	—
H4	0.75 0.5	WH WH	311 311	Right Headlamp High Beam Control Right Headlamp High Beam Control	I II	6J7 Z75
H5	—	—	—	Not Occupied	—	—
H6	0.75	BU/BN	7539	Right Front DRL Control	III	—
J1	0.5	YE/WH	58	Right Cornering Lamp Control	III	—
J2	0.75	BN/GY	29	Horn Control	II	—
J3	0.5	BN/VT	2234	Front Fog Lamp Control	II	—
J4	0.75 0.5	WH WH	711 711	Left Headlamp High Beam Control Left Headlamp High Beam Control	I II	6J7 Z75
J5	0.75	YE	312	Right Headlamp Low Beam Control	II	—
J6	0.75	GY/BU	7538	Left Front DRL Control	III	—
K1 - M3	—	—	—	Not Occupied	—	—
M4	0.5	WH/BU	3203	Right Headlamp Bulb Outage Signal	III	—
M5	0.5	BU/VT	3204	Left Headlamp Bulb Outage Signal	III	—
M6 - N2	—	—	—	Not Occupied	—	—

X50A Fuse Block - Underhood X2



3240139

Connector Part Information

Harness Type: Engine
OEM Connector: 33116191
Service Connector: 19332891
Description: 58-Way F 1.5, 2.8, 800 Metri-Pack Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575718	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G
II	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	19367554	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G

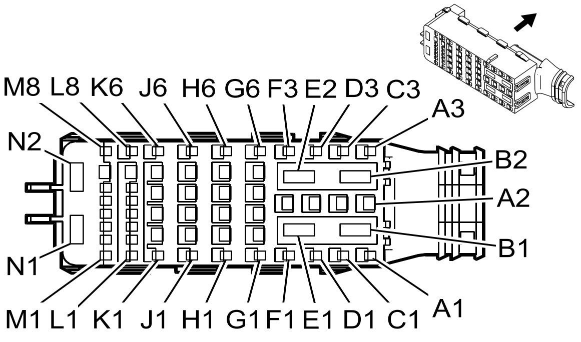
X50A Fuse Block - Underhood X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A1	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	IV	—
A2	0.5	VT/GN	439	Run/Crank Ignition 1 Voltage	III	—
A3 - B2	—	—	—	Not Occupied	—	—
C1	0.75	BN/GN	59	A/C Compressor Clutch Control	IV	—
C2	—	—	—	Not Occupied	—	—
C3	0.5	GY/BN	2410	Fuel Pump Prime Control	IV	—
D1 - D2	—	—	—	Not Occupied	—	—
D3	0.5	YE/BK	625	Starter Enable Relay Control	IV	—
E1	—	—	—	Not Occupied	—	—
E2	4	YE	6	Starter Solenoid Crank Ignition Voltage	V	—
F1	—	—	—	Not Occupied	—	—
F2	2.5	BK	550	Ground	II	—
F3 - G2	—	—	—	Not Occupied	—	—

X50A Fuse Block - Underhood X2 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
G3	0.5 0.75	VT/BU VT/BU	5293 5293	Powertrain Main Relay Fused Supply 4 Powertrain Main Relay Fused Supply 4	III II	L83/L86/L8B/ L8X L96
G4	2.5	VT/BU	5290	Powertrain Main Relay Fused Supply 1	II	—
G5	0.75 1.5	RD/GN RD/GN	1840 1840	Battery Positive Voltage Battery Positive Voltage	III II	L83/L86/L8B/ L8X L96
G6	0.5	RD/WH	3440	Battery Positive Voltage	IV	—
H1	0.5	GN/GY	465	Fuel Pump Primary Relay Control	IV	—
H2	0.75 1.5	VT/BU VT/BU	5291 5291	Powertrain Main Relay Fused Supply 2 Powertrain Main Relay Fused Supply 2	II II	L83/L86/L8B/ L8X L96
H3	0.75	VT/BU	5293	Powertrain Main Relay Fused Supply 4	III	—
H4	—	—	—	Not Occupied	—	—
H5	0.5	RD/BN	440	Battery Positive Voltage	III	—
H6	0.5	YE	5991	Powertrain Relay Coil Control	IV	—
J1	—	—	—	Not Occupied	—	—
J2	0.5	VT/BU	5294	Powertrain Main Relay Fused Supply 5	III	—
J3	0.75	VT/BU	5291	Powertrain Main Relay Fused Supply 2	II	—
J4	0.75 1.5	VT/BU VT/BU	5292 5292	Powertrain Main Relay Fused Supply 3 Powertrain Main Relay Fused Supply 3	II II	L83/L86/L8B/ L8X L96
J5	0.5	VT/BU	5294	Powertrain Main Relay Fused Supply 5	III	—
J6	0.75	VT/BU	5290	Powertrain Main Relay Fused Supply 1	IV	—
K1 - K2	—	—	—	Not Occupied	—	—
K3	0.75	VT/BU	5291	Powertrain Main Relay Fused Supply 2	III	—
K4	0.75	VT/BU	5292	Powertrain Main Relay Fused Supply 3	II	—
K5	0.75	VT/BU	5292	Powertrain Main Relay Fused Supply 3	III	—
K6 - L6	—	—	—	Not Occupied	—	—
L7	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	III	—
L8	—	—	—	Not Occupied	—	—
M1	0.5	YE/BU	1465	Secondary Fuel Pump Relay Control	IV	—
M2 - M4	—	—	—	Not Occupied	—	—
M5	0.5	GY	5660	Fuel Pump Controller Data Out Signal	IV	—
M6	0.75	BK/WH	451	Signal Ground	IV	—
M7	0.5	VT/GN	439	Run/Crank Ignition 1 Voltage	III	—
M8	—	—	—	Not Occupied	—	—
N1	2.5	RD/GN	742	Battery Positive Voltage	I	—
N2	—	—	—	Not Occupied	—	—

X50A Fuse Block - Underhood X3



3240137

Connector Part Information

Harness Type: Body

OEM Connector: 33116188

Service Connector: 19332892

Description: 58-Way F 1.5, 2.8, 800 Metri-Pack Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575718	J-35616-44 (YE)	J-38125-558	12092445	Delphi 18	G	G
II	13575718	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G
III	19301751	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
V	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
VI	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VII	19367554	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G

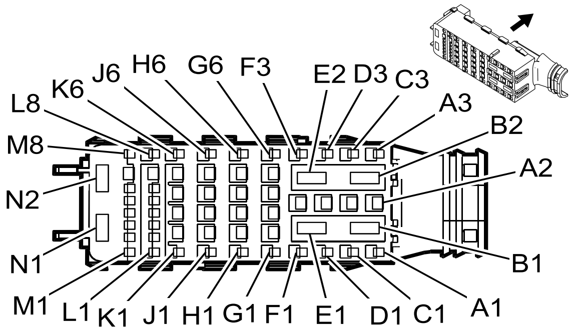
X50A Fuse Block - Underhood X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A1	0.5	YE/BU	18	Left Rear Stop/Turn Lamp Control	VI	—
A2 - A3	—	—	—	Not Occupied	—	—
B1	4	RD/GY	1342	Battery Positive Voltage	I	—
B2	2.5	RD/BU	1842	Battery Positive Voltage	II	—
C1	0.5	BN/GN	19	Right Rear Stop/Turn Lamp Control	VI	—
C2 - C3	—	—	—	Not Occupied	—	—
D1	0.75 0.75	GN/VT GN/VT	1315 1315	Right Front Turn Signal Lamp Control Right Front Turn Signal Lamp Control	VI III	— —
D2	0.5	WH/BU	3203	Right Headlamp Bulb Outage Signal	V	—
D3 - E1	—	—	—	Not Occupied	—	—
E2	4	RD/WH	4042	Battery Positive Voltage	VII	—

X50A Fuse Block - Underhood X3 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
F1	0.75 0.75	BU/WH BU/WH	1314 1314	Left Front Turn Signal Lamp Control Left Front Turn Signal Lamp Control	VI III	— —
F2	0.5	BU/VT	3204	Left Headlamp Bulb Outage Signal	V	—
F3	0.5	YE/WH	962	—	VI	—
G1	0.75	BU/BN	7539	Right Front DRL Control	VI	—
G2	—	—	—	Not Occupied	—	—
G3	2.5	RD/GY	6240	Battery Positive Voltage	IV	—
G4 - H1	—	—	—	Not Occupied	—	—
H2	1	BK	550	Ground	V	—
H3 - H6	—	—	—	Not Occupied	—	—
J1	0.35	WH/VT	860	Front Windshield Wiper Switch High Signal	VI	—
J2 - K2	—	—	—	Not Occupied	—	—
K3	1	YE/BN	95	Windshield Wiper Motor Low Speed Control	V	—
K4	1	WH	92	Windshield Wiper Motor High Speed Control	V	—
K5	—	—	—	Not Occupied	—	—
K6	0.35	BN/GY	2268	Windshield Washer Relay Control	VI	—
L1	0.75	GY/BU	7538	Left Front DRL Control	VI	—
L2	0.35	BN/VT	1969	Headlamp High Beam Relay Control	VI	—
L3	0.35	GN/WH	2270	Rear Window Washer Relay Control	VI	—
L4	0.35	GY	91	Windshield Wiper Motor Relay Coil Control	VI	—
L5	0.5	BN	1317	Fog Lamp Relay Control	VI	—
L6	0.35	BN/WH	28	Horn Relay Control	VI	—
L7	—	—	—	Not Occupied	—	—
L8	0.5	YE/GY	57	Left Cornering Lamp Control	VI	—
M1	0.75	YE	312	Right Headlamp Low Beam Control	VI	—
M2	—	—	—	Not Occupied	—	—
M3	0.5	YE/WH	58	Right Cornering Lamp Control	VI	—
M4	0.75	BU/BN	7539	Right Front DRL Control	VI	—
M5	0.5	RD/WH	961	—	VI	—
M6	—	—	—	Not Occupied	—	—
M7	2.5	BU	965	—	IV	—
M8	0.35	VT/WH	239	Run/Crank Ignition 1 Voltage	VI	—
N1 - N2	—	—	—	Not Occupied	—	—

X50A Fuse Block - Underhood X4



3240138

Connector Part Information

Harness Type: Body
OEM Connector: 33116186
Service Connector: 19332893
Description: 58-Way F 1.5, 2.8, 800 Metri-Pack Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	19367554	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G
V	19367554	J-35616-44 (YE)	J-38125-558	Not Available	Not Available	Not Available	Not Available

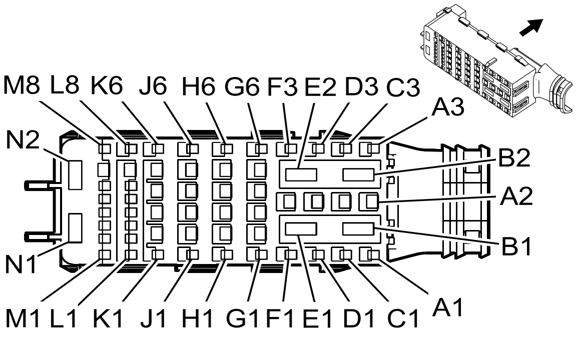
X50A Fuse Block - Underhood X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A1	—	—	—	Not Occupied	—	—
A2	0.75	GY/YE	7542	Left Rear Stop Lamp Control	II	—
A3	0.35 0.5	GN/WH GN/WH	24 24	Backup Lamp Control Backup Lamp Control	III III	IO5/IO6 Z88/X88/Z75
B1	4	RD/GY	1042	Battery Positive Voltage	IV	—
B2	5	RD/VT	842	Battery Positive Voltage	IV	—
C1	0.75	WH/YE	7541	Right Rear Stop Lamp Control	III	—
C2 - D3	—	—	—	Not Occupied	—	—
E1	6	RD/WH	942	—	V	—
E2	5	RD/BU	42	Battery Positive Voltage	IV	—
F1 - G1	—	—	—	Not Occupied	—	—
G2	2.5	GY/BK	966	—	I	—
G3 - G5	—	—	—	Not Occupied	—	—
G6	0.5	YE/BK	5356	Left Tail Lamp Outage Detection Signal	III	—

X50A Fuse Block - Underhood X4 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
H1 - H4	—	—	—	Not Occupied	—	—
H5	2.5	RD/GN	242	Battery Positive Voltage	I	—
H6	0.5	VT/YE	5357	Right Tail Lamp Outage Detection Signal	III	—
J1	0.75	GY/BU	7538	Left Front DRL Control	III	—
J2 - J5	—	—	—	Not Occupied	—	—
J6	0.75	BK/WH	451	Signal Ground	III	—
K1	0.75	YE	712	Left Headlamp Low Beam Control	III	—
K2	2.5	RD/GN	968	—	I	—
K3 - K4	—	—	—	Not Occupied	—	—
K5	2.5	YE/BN	967	—	I	—
K6	—	—	—	Not Occupied	—	—
L1	0.5	WH/BU	964	—	III	—
L2	0.35	YE/GY	5187	Right Trailer Turn Signal Lamp Control	III	—
L3	0.35	BU/BN	38	Backup Lamp Relay Control	III	—
L4	0.35	BU/WH	5186	Left Trailer Turn Signal Lamp Control	III	—
L5	0.35	BU	45	Park Lamp Relay Control	III	—
L6	0.5	GN/GY	963	—	III	—
L7 - L8	—	—	—	Not Occupied	—	—
M1	0.75	RD/YE	2340	Battery Positive Voltage	III	—
M2	—	—	—	Not Occupied	—	—
M3	0.35	BN/YE	1970	Headlamp Low Beam Relay Control	III	—
M4	—	—	—	Not Occupied	—	—
M5	0.35	GN/VT	5199	Run/Crank Relay Coil Control	III	—
M6	0.5	VT/YE	1139	Run/Crank Ignition 1 Voltage	III	—
M7	2.5	VT/WH	639	Run/Crank Ignition 1 Voltage	I	—
M8 - N2	—	—	—	Not Occupied	—	—

X50A Fuse Block - Underhood X5



3240136

Connector Part Information

Harness Type: Chassis
OEM Connector: 33116189
Service Connector: 19332894
Description: 58-Way F 1.5, 2.8, 800 Metri-Pack Series (NA)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575832	J-35616-4A (PU)	J-38125-11A	7116-4112-02	Yazaki 9	C	D
II	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	19367554	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G

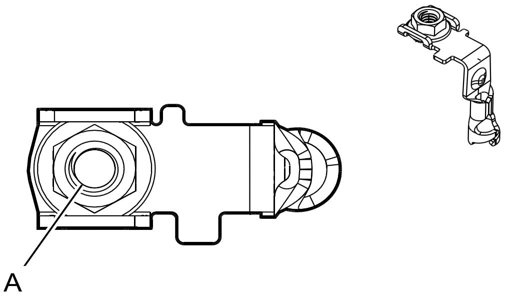
X50A Fuse Block - Underhood X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A1	0.75	GY/YE	7542	Left Rear Stop Lamp Control	IV	—
A2	0.5	YE/GN	18	Left Rear Stop/Turn Lamp Control	III	—
A3	0.5	BN/GN	19	Right Rear Stop/Turn Lamp Control	IV	—
B1	5	RD/YE	442	Battery Positive Voltage	V	—
B2	—	—	—	Not Occupied	—	—
C1	0.75	GN	24	Backup Lamp Control	IV	—
C2	2.5	RD/YE	1142	Battery Positive Voltage	II	—
C3 - D1	—	—	—	Not Occupied	—	—
D2	1.5	GY	120	Fuel Pump Control	II	—
D3	0.75	WH/YE	7541	Right Rear Stop Lamp Control	IV	—
E1	4	RD/WH	1642	Battery Positive Voltage	V	—
E2 - F3	—	—	—	Not Occupied	—	—
G1	0.5	YE/BK	5356	Left Tail Lamp Outage Detection Signal	IV	—
G2	2.5	RD/VT	1940	Battery Positive Voltage	II	—

X50A Fuse Block - Underhood X5 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
G3	3	RD/GN	2440	Battery Positive Voltage	I	—
G4	0.75	RD/WH	2040	Battery Positive Voltage	III	—
G5	—	—	—	Not Occupied	—	—
G6	0.75	RD/GN	2440	Battery Positive Voltage	IV	—
H1	0.5	VT/YE	5357	Right Tail Lamp Outage Detection Signal	IV	—
H2	—	—	—	Not Occupied	—	—
H3	0.5	RD/GN	1840	Battery Positive Voltage	III	—
H4 - J1	—	—	—	Not Occupied	—	—
J2	2.5	RD/GN	242	Battery Positive Voltage	II	—
J3	1.5	GY/BN	2109	Trailer Park Lamp Control	II	—
J4	2.5	RD/VT	1640	Battery Positive Voltage	II	—
J5	0.75 0.5	VT/GN VT/GN	439 439	Run/Crank Ignition 1 Voltage Run/Crank Ignition 1 Voltage	III III	JL1/Z85 -JL1/Z85
J6	—	—	—	Not Occupied	—	—
K1	0.5	VT/BK	739	Run/Crank Ignition 1 Voltage	IV	—
K2	0.5	VT/GY	709	Left Park Lamp Control	III	—
K3	—	—	—	Not Occupied	—	—
K4	0.5	GY/BN	309	Right Park Lamp Control	III	—
K5	0.75	YE/GY	1618	Left Rear Trailer Stop/Turn Lamp Control	III	—
K6	0.75	GN/VT	1619	Right Rear Trailer Stop/Turn Lamp Control	IV	—
L1 - L6	—	—	—	Not Occupied	—	—
L7	2.5	GY	120	Fuel Pump Control	II	—
L8 - M4	—	—	—	Not Occupied	—	—
M5	0.5	GY	5660	Fuel Pump Controller Data Out Signal	IV	—
M6	—	—	—	Not Occupied	—	—
M7	0.5	VT/BU	5294	Powertrain Main Relay Fused Supply 5	III	—
M8	0.75	WH/GN	1624	Trailer Backup Lamp Control	IV	—
N1	—	—	—	Not Occupied	—	—
N2	4	RD/GN	742	Battery Positive Voltage	V	—

X50A Fuse Block - Underhood X6



2759576

Connector Part Information

Harness Type: Fuse Block - Battery
OEM Connector: sm 5-15
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

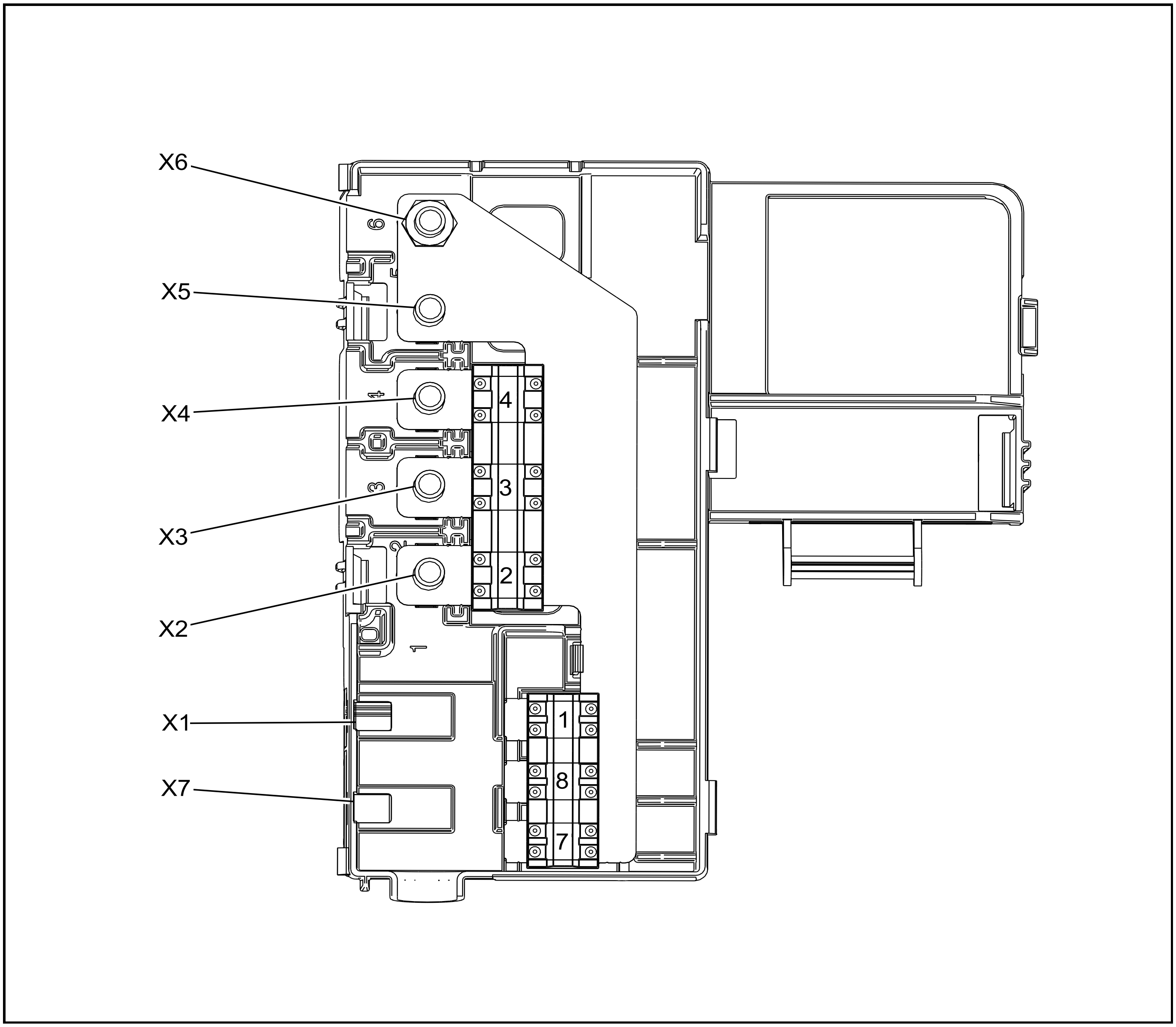
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50A Fuse Block - Underhood X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	25	RD/GN	242	Battery Positive Voltage	I	—

X50D Fuse Block - Battery Top View

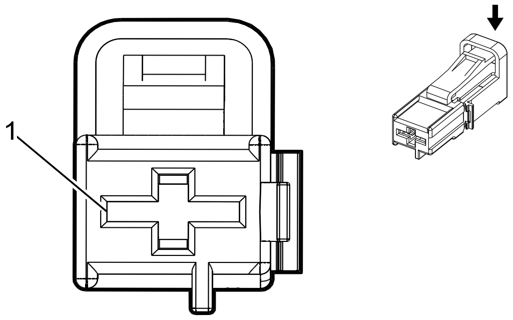


3634082

X50D Fuse Block – Battery Usage

No.	Device Label Name	Device Assigned Name	Rating	Description
1	—	F1UD	100A	• KR79 Auxiliary Battery Relay 2 (5W4 or 9C1)
2	—	F2UD	175A (L83 or L86) 250A (L96)	• G13 Generator • X50A Fuse Block - Underhood
3	—	F3UD	-	• Not Occupied
4	—	F4UD	175A	• K43 Power Steering Control Module (L83 or L86)
5	—	F7UD	60A	• X51R Fuse Block - Instrument Panel Right
6	—	F8UD	60A	• X51R Fuse Block - Instrument Panel Right

X50D Fuse Block - Battery X1 (5W4/9C1)



3240141

Connector Part Information

Harness Type: Battery — Auxiliary
OEM Connector: 13629098
Service Connector: Service by Harness - See Part Catalog
Description: 1-Way F 8.0 Series (BU)

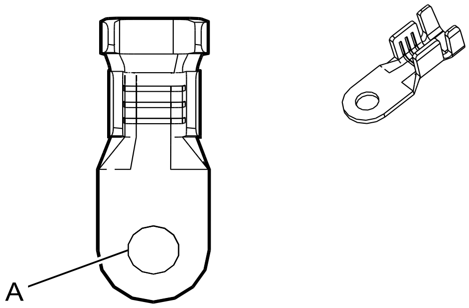
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X1 (5W4/9C1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	10	RD/VT	842	Battery Positive Voltage	I	—

X50D Fuse Block - Battery X2



3276606

Connector Part Information

Harness Type: Battery Cable
OEM Connector: 13584018
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Ring Terminal

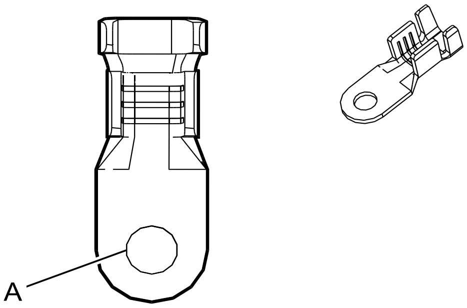
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	25	RD/YE	2	Battery Positive Voltage	I	—
	25	RD/GN	242	Battery Positive Voltage		—

X50D Fuse Block - Battery X4



3276606

Connector Part Information

Harness Type: Battery Cable Jumper
OEM Connector: 13584017
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Ring Terminal

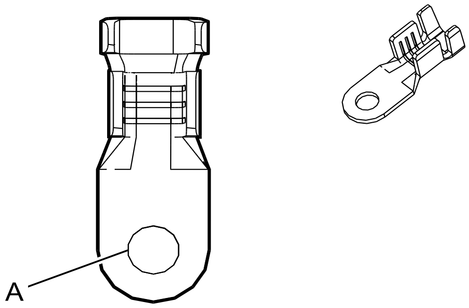
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	25	RD/VT	842	Battery Positive Voltage	I	—

X50D Fuse Block - Battery X5



Connector Part Information

Harness Type: Fuse Block — Starter Motor
OEM Connector: 13584016
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Ring Terminal

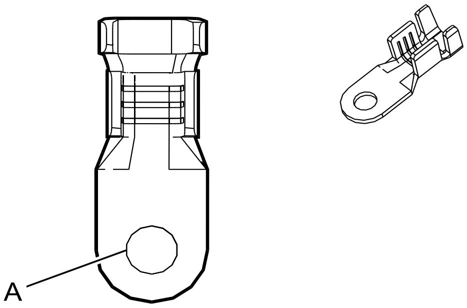
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	35	RD/YE	2	Battery Positive Voltage	I	—

X50D Fuse Block - Battery X6



3276606

Connector Part Information

Harness Type: Fuse Block — Battery
OEM Connector: 22806489
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Ring Terminal

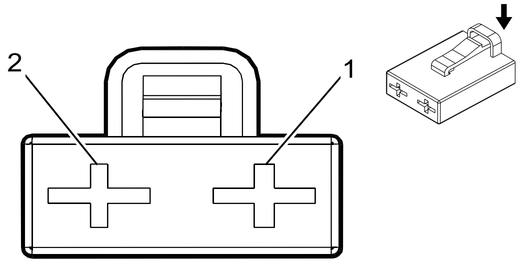
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	35	RD	1	Unfused Battery Positive Voltage	I	—

X50D Fuse Block - Battery X7



3240143

Connector Part Information

Harness Type: Body
OEM Connector: 13627842
Service Connector: 19329484
Description: 2-Way F 8.0 Series (BU)

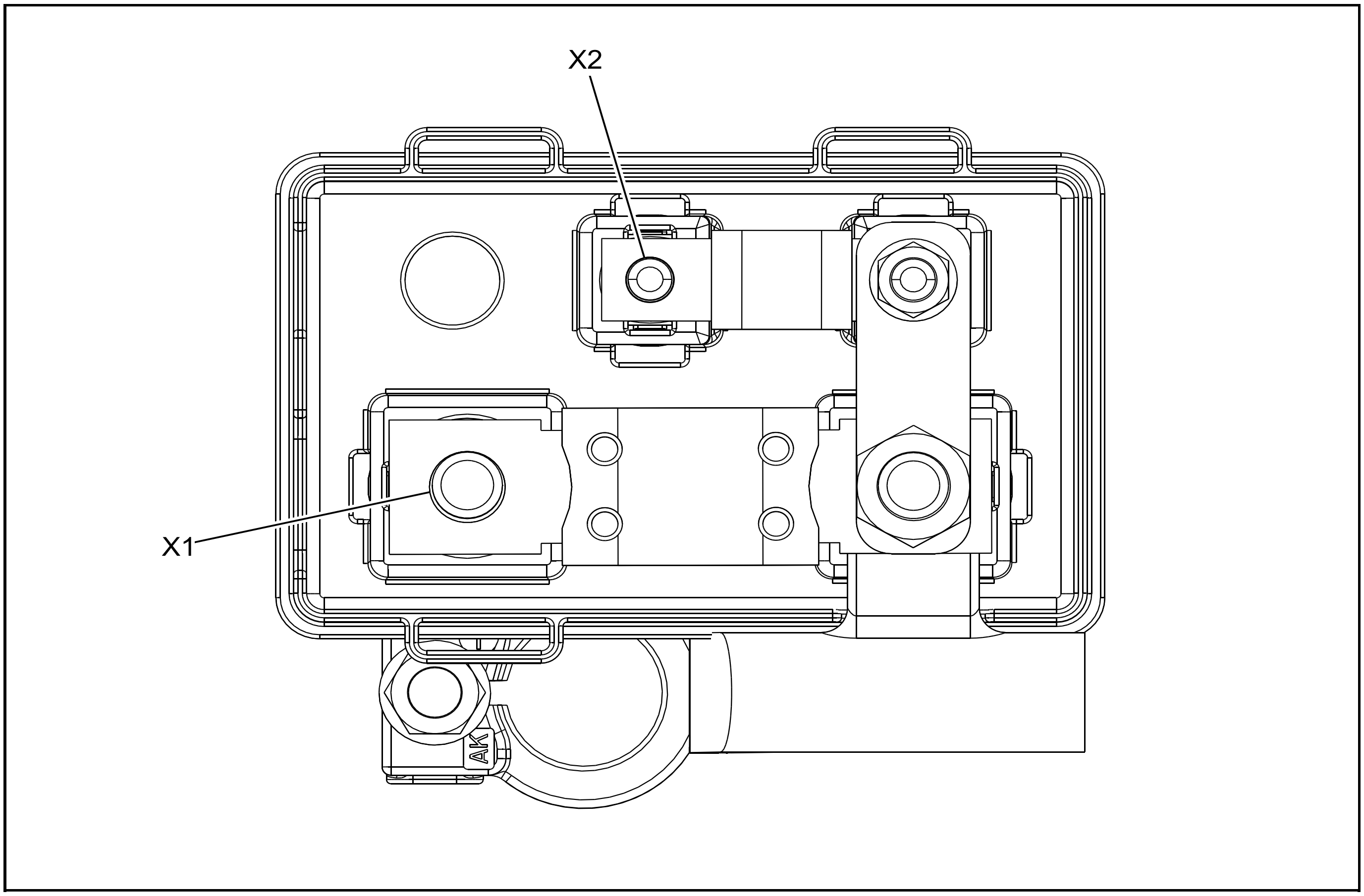
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-44 (YE)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X7

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	6	RD/GY	142	Battery Positive Voltage	I	—
2	6	RD/GN	242	Battery Positive Voltage	I	—

X50E Fuse Block - Battery Auxiliary Top View (5W4 or 9C1)

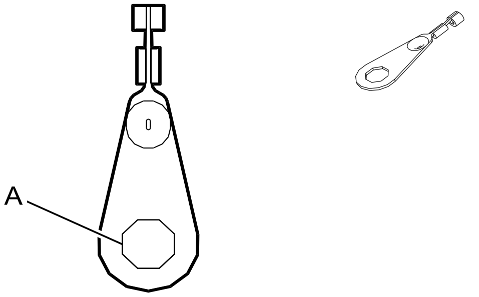


3714440

X50E Fuse Block – Battery Auxiliary Usage

No.	Device Label Name	Device Assigned Name	Rating	Description
1	—	F1UE	100A	• KR81 Auxiliary Battery Relay 1 • X53A Fuse Block — Rear Body
2	—	F2UE	50A	• W9 Blunt Cut — Police Provision

X50E Fuse Block - Battery Auxiliary X1 (5WC/9C1)



Connector Part Information

Harness Type: Body
OEM Connector: 13609633
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

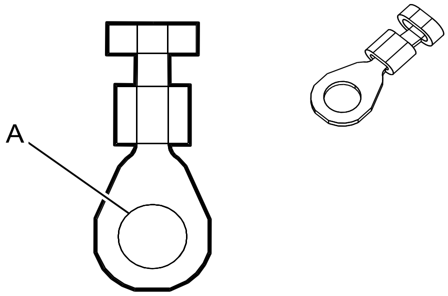
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50E Fuse Block - Battery Auxiliary X1 (5WC/9C1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	YE	5442	Endgate Window Regulator Up Signal	I	—

X50E Fuse Block - Battery Auxiliary X2 (5WC/9C1)



3277912

Connector Part Information

Harness Type: Body
OEM Connector: 12103517
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

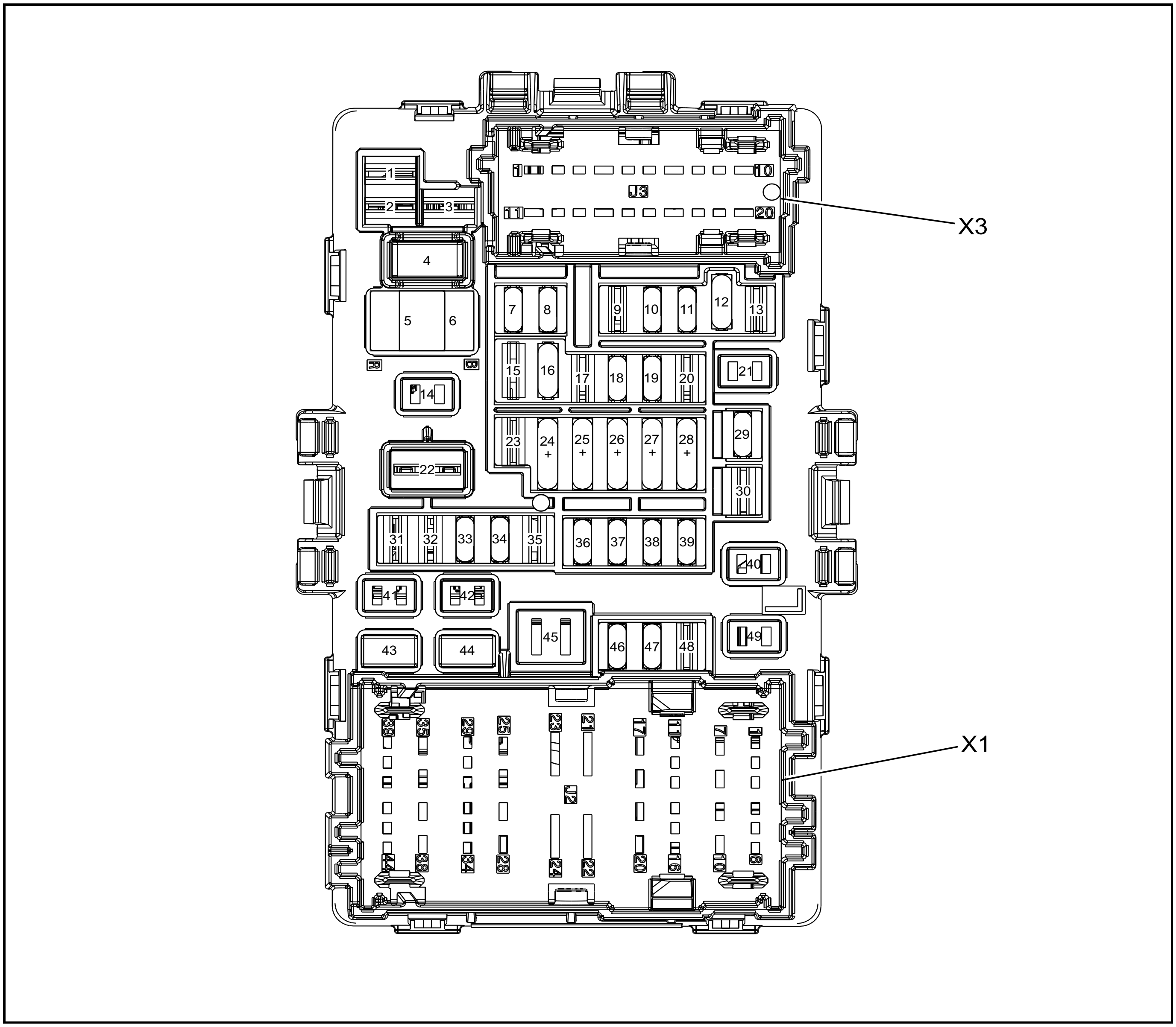
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50E Fuse Block - Battery Auxiliary X2 (5WC/9C1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	4	YE/VT	5542	Auxiliary Heater Pump Relay Coil Control	I	—

X51L Fuse Block - Instrument Panel Left Top View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J2
X1

3716147

Usage Table

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
1	EMPTY	F1DL	—	• Not Used
2	EMPTY	F2DL	—	• Not Used
3	EMPTY	F3DL	—	• Not Used
4	APO 1 (15A)	F4DL	15A	• E32 Cigarette Lighter Receptacle (DT4) • X80G Accessory Power Receptacle - Instrument Panel (D07 without DT4)
5	APO/RAP (50A)	F5DL	50A	• F4DL • F50DL
6	APO/BATT (50A)	F6DL	50A	• F4DL • F50DL
7	UGDO ISRVM (10A)	F7DL	10A	• S25 Garage Door Opener (UG1) • S63 Roof Beacon Switch (TRW)

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
8	SEO RAP (10A)	F8DL	10A	• KR103 DVD Relay (AYE) • M69 Sunroof Motor (CF5) • T22 Mobile Device Wireless Charger Module (K4C) • W9 Blunt Cut - Police Provision (5W4 or 9C1)
9	EMPTY	F9DL	—	• Not Used
10	BCM 3 (20A)	F10DL	20A	• E4H Headlamp - Right Low Beam (X88 or Z88) • E4LF Turn Signal Lamp - Left Front (X88 or Z75) • E4Y Turn Signal Repeater Lamp - Left (DL3 or DR4) • E5R Stop Lamp - Right Rear (X88 with T89) • K9 Body Control Module • KR57 Rear Fog Lamp Relay (T79) • K166L Multifunction LED Control Module - Left Headlamp (X88 with TB8 • Z88 or Z75) • K166R Multifunction LED Control Module - Right Headlamp (Z75) • K167L Multifunction LED Control Module - Front Fascia Left (Z75) • K174R Multifunction LED Control Module - Right Tail Lamp (Z88 or Z75)
11	BCM 5 (10A)	F11DL	10A	• A23C Liftgate latch Assembly (TB4) • A23LR Door Latch Assembly - Left Rear • A23RR Door Latch Assembly - Right Rear • B10B Ambient Light/Sunload Sensor • B55 Hood Ajar Switch • B174W Frontview Camera - Windshield (UFL or UGN with Z75) • E1A Accent Lamp - Driver Seat • E1AA Floor Accent Lamp - Left Front • E1AB Floor Accent Lamp - Right Front • E1B Accent Lamp - Passenger Seat • E1C Accent Lamp - Driver Door Handle • E1D Accent Lamp - Driver Door (Z75) • E1E Accent Lamp - Left Rear Door Handle • E1F Accent Lamp - Right Rear Door Handle • E1LR Accent Lamp - Left Rear Door (Z75) • E1M Accent Lamp - Passenger Door Handle • E1P Accent Lamp - Passenger Door (Z75) • E1RR Accent Lamp - Right Rear Door (Z75) • E38 Flood Lamp - Center Console • E55LR Flood Lamp - Left Rear Door Pocket (Z75) • E55RR Flood Lamp - Right Rear Door Pocket (Z75) • E63D Flood Lamp - Driver Door Handle (Z75) • E63P Flood Lamp - Passenger Door Handle (Z75) • KR6 Rear Window Washer Pump Relay • K9 Body Control Module • K14 Distance Sensing Cruise Control Module (K59) • K17 Electronic Brake Control Module • K19 Suspension Control Module (Z95) • K33 HVAC Control Module • K36 Inflatable Restraint Sensing and Diagnostic Module • K43 Power Steering Control Module • KR61 Trailer Backup Lamps Relay

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
				• K73 Telematics Communication Interface Control Module (UE1) • K74 Human Machine Interface Control Module (IO5 or IO6) • KR76A Retained Accessory Power Relay 1 • KR76B Retained Accessory Power Relay 2 • K83 Park Brake Control Module (J71) • KR95A Liftgate Unlatch Relay (TB4) • K124 Active Saftey Control Module (UGN with Z75) • KR162 Liftgate Window Unlatch Relay • M4 Air Inlet Door Actuator • M6B Air Temperature Door Actuator - Auxiliary • M6L Air Temperature Door Actuator - Left • M6R Air Temperature Door Actuator - Right • M33 Liftgate Window Latch Assembly • M37B Mode Door Actuator - Auxiliary • M37L Mode Door Actuator - Left • M101L Seat Belt Retractor Motor Module - Left (AX7) • M101R Seat Belt Retractor Motor Module - Right (AX7) • P22A Video Display - 2nd Row (U42) • P22B Video Display - 3rd Row (DNU) • S13D Door Lock Switch - Driver • S13P Door Lock Switch - Passenger • S30 Headlamp Switch • S46B Liftgate Unlatch Switch (TB4) • S78 Turn Signal/Multifunction Switch • S79D Window Switch - Driver • S141 Liftgate Window Unlatch Switch
12	SWC BKLT (2A)	F12DL	2A	• S70L Steering Wheel Controls Switch - Left
13	EMPTY	F13DL	—	• Not Used
14	EMPTY	F14DL	—	• Not Used
15	EMPTY	F15DL	—	• Not Used
16	DLIS (2A)	F16DL	2A	• S39 Ignition Switch (without BTM)
17	VPM (10A)	F17DL	10A	• K157 Video Processing Control Module (UVH)
18	MIR WNDO MDL (10A)	F18DL	10A	• S52 Outside Rearview Mirror Switch • S79D Window Switch - Driver

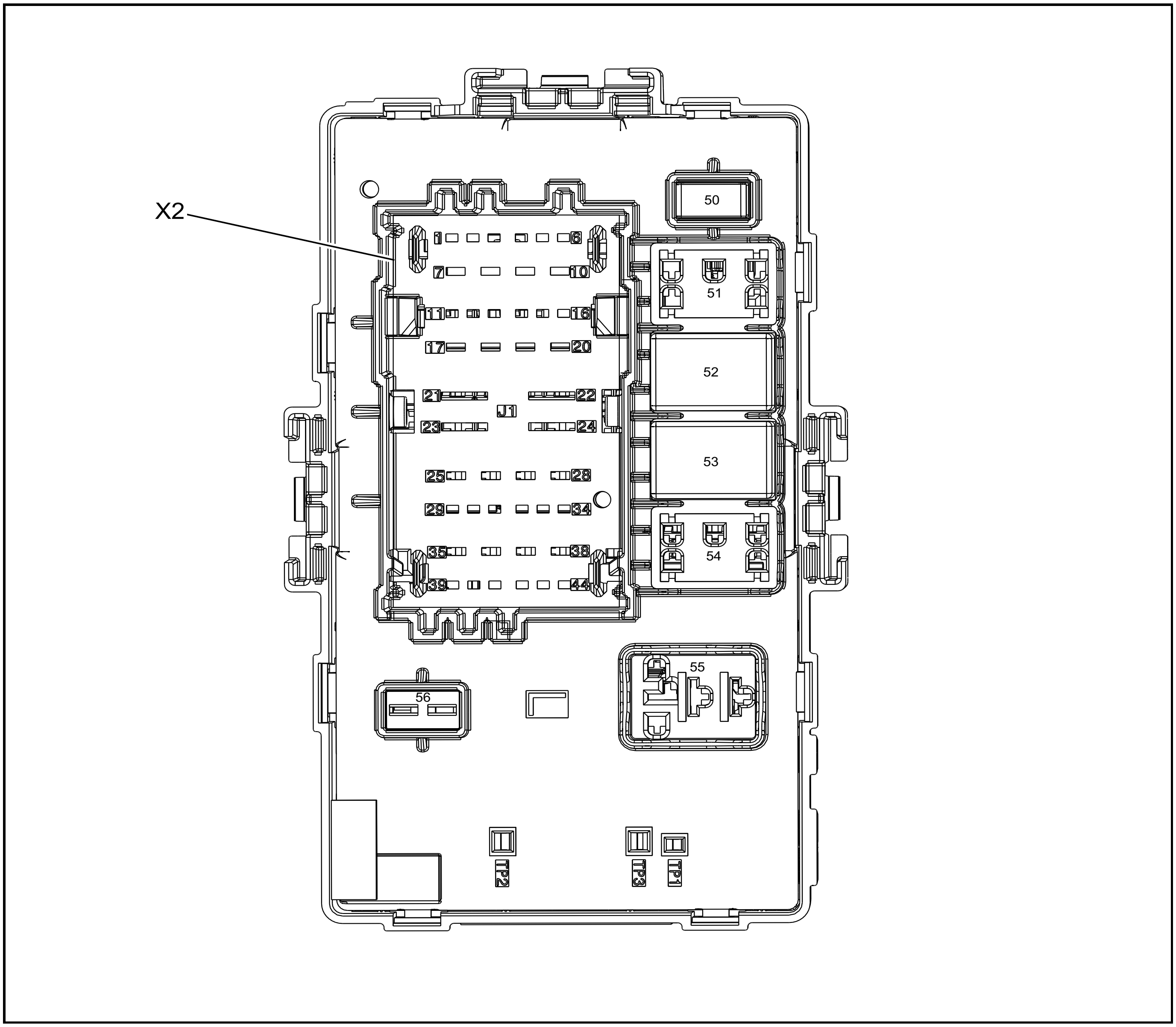
Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
19	BCM 1 (10A)	F19DL	10A	• E6 Center High Mounted Stop Lamp • E7L License Plate Lamp - Left • E7R License Plate Lamp - Right • E8A Door Sill Plate Lamp - Driver (Z75) • E8Q Door Sill Plate Lamp - Left Rear (Z75) • E8B Door Sill Plate Lamp - Passenger (Z75) • E8R Door Sill Plate Lamp - Right Rear (Z75) • E28 Center Console Compartment Lamp (D07 without DCK) • E31L Sunshade Mirror Lamp - Left • E31R Sunshade Mirror Lamp - Right • E36AH Dome Lamp (LWB) • E37H Dome/Reading Lamps - Left Roof Rail (AZ3) • E37J Dome/Reading Lamps - Right Roof Rail (AZ3) • E37B Dome/Reading Lamps - 2nd Row (without U42) • E37C Dome/Reading Lamps - 3rd Row (without DNU) • E37EL Dome/Reading Lamps - Front Overhead Console Left • E37ER Dome/Reading Lamps - Front Overhead Console Right • K9 Body Control Module • K101 Trailer Interface Control Module (VQ9) • P22A Video Display - 2nd Row (U42) • P22B Video Display - 3rd Row (DNU) • S5 Center Console Compartment Lamp Switch (D07 without DCK) • S30 Headlamp Switch • S33 Horn Switch
20	FRT BLSTR (15A)	F20DL	15A	• K134D Seat Bolster Memory Control Module - Driver (ULT) • K134P Seat Bolster Memory Control Module - Passenger (ULT) • S64D Seat Adjuster Switch - Driver (ULT) • S64P Seat Adjuster Switch - Passenger (ULT)
21	EMPTY	F21DL	—	• Not Used
22	EMPTY	F22DL	—	• Not Used
23	EMPTY	F23DL	—	• Not Used
24	HVAC/AUX HVAC IGN (15A/15A)	F24DL	15A	• K33 HVAC Control Module • K175 Center Console Compartment Cooler Control Module (DCK)
25	IPC IGN/SDM IGN (10A/10A)	F25DL	10A	• P14 Passenger Air Bag Disabled Indicator • P16 Instrument Cluster • P43 Collision Alert Indicators (UEU without UVC)
26	TILT COL/SEO TILT COL LCK1/ SEO (15A/15A)	F26DL	15A	• E35L Exterior Spot Lamp - Left (7X6 or 7X7) • E35R Exterior Spot Lamp - Right (7X7) • K60 Steering Column Lock Module (BTM) • K99 Steering Column Position Control Module (N38)
27	DLC/DSM (10A/ 10A)	F27DL	10A	• K40D Seat Memory Control Module - Driver (A45) • K40P Seat Memory Control Module - Passenger (AG2) • X84 Data Link Connector
28	PEPS/HVAC BATT (10A/10A)	F28DL	10A	• K33 HVAC Control Module • K84 Keyless Entry Control Module (BTM)

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
29	THEFT DTRNT (10A)	F29DL	10A	• B165 Content Theft Deterrent Sensor Module (UTU or UTV) • P4 Security Siren (UTR)
30	EMPTY	F30DL	—	• Not Used
31	EMPTY	F31DL	—	• Not Used
32	EMPTY	F32DL	—	• Not Used
33	SEO ALC (15A)	F33DL	15A	• W9 Blunt Cut - Police Provision (5W4 or 9C1)
34	PRK ENBL/EAP (15A)	F34DL	10A	• KR16B Park Brake Relay • KR1F Adjustable Pedal Relay - Forward • KR1R Adjustable Pedal Relay - Rearward • M5 Adjustable Pedal Motor (JF4 without A45)
35	EMPTY	F35DL	—	• Not Used
36	MISC RUN CRNK (10A)	F36DL	10A	• A10 Inside Rear View Mirror (AZ3 or DD8) • A34 HVAC Controls - Auxiliary (AZ3 or DD8) • B87 Rearview Camera (UVC) • K69 Transfer Case Control Module (NQH or NP0)
37	HTD STR WHL (7.5A)	F37DL	7.5A	• K32 Steering Wheel Heating Control Module (UVD)
38	TILT COL LCK2 (10A)	F38DL	10A	• K60 Steering Column Lock Module (BTM)
39	IPC (10A)	F39DL	10A	• K78 Head-Up Display Module (UV6) • P16 Instrument Cluster • P17 Info Display Module • S31D Seat Heating and Cooling Switch - Driver (without KB6/KQV) • S31P Seat Heating and Cooling Switch - Passenger (without KB6/KQV)
40	EMPTY	F40DL	—	• Not Used
41	EMPTY	F41DL	—	• Not Used
42	EURO TRLR	F42DL	30A	• Blunt Cut — Trailer Provision (VQ9)
43	LT DR (30A)	F43DL	30A	• M74D Window Motor - Driver • S79LR Window Switch - Left Rear
44	DRVR PWR SEAT (30A)	F44DL	30A	• K40D Seat Memory Control Module - Driver (A45) • S64D Seat Adjuster Switch - Driver (without A45)
45	EMPTY	F45DL	—	• Not Used
46	RT HTD CLD SEAT (15A)	F46DL	15A	• K53P Seat Blower Assembly - Passenger Back (KB6) • K55P Seat Blower Assembly - Passenger Cushion (KB6) • K29 Seat Heating Control Module (without KB6/KQV)
47	LT HTD CLD SEAT (15A)	F47DL	15A	• K53D Seat Blower Assembly - Driver Back (KB6) • K55P Seat Blower Assembly - Driver Cushion (KB6) • K29 Seat Heating Control Module (without KB6/KQV)
48	EMPTY	F48DL	—	• Not Used
49	EMPTY	F49DL	—	• Not Used

X51L Fuse Block - Instrument Panel Left Bottom View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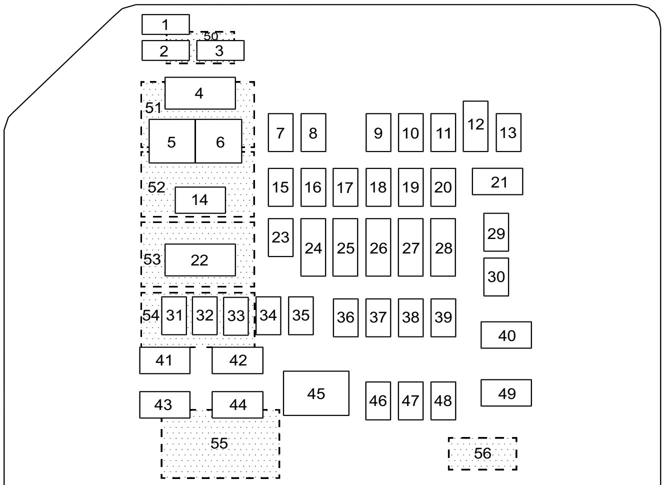
X50L Fuse Block - Instrument Panel Left Usage

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
50	APO 2 (15A)	F50DL	15A	• X80G Accessory Power Receptacle - Instrument Panel (AZ3 without DT4)
56	EMPTY	F56DL	—	• Not Used
Relays				
51	EMPTY	—	—	• Not Used
52	RAP/ACCY (RLY)	KR76A Retained Accessory Power Relay 1	—	• F8DL • F5DL

X50L Fuse Block - Instrument Panel Left Usage (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
53	RUN CRNK (RLY)	KR73 Ignition Main Relay	-	• F24DL • F25DL • F33DL • F36DL • F37DL • F38DL
54	EMPTY	—	—	• Not Used
55	EMPTY	—	—	• Not Used
Important: Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block				
—	—	KR87 Transmission Park Position Relay	—	• KR1F Adjustable Pedal Relay - Forward (JF4 without A45) • KR1R Adjustable Pedal Relay - Rearward (JF4 without A45) • S143L Folding Seat Control Switch — 2nd Row Left (ATN or ATT) • S143R Folding Seat Control Switch — 2nd Row Right (ATN or ATT) • S144A Folding Seat Control Switch — Rear Compartment 2nd Row (ATN or ATT) • S144B Folding Seat Control Switch — Rear Compartment 3rd Row (ATN or ATT)
—	—	KR1F Adjustable Pedal Relay - Forward	—	• M5 Adjustable Pedal Motor (JF4 without A45)
—	—	KR1R Adjustable Pedal Relay - Rearward	—	• M5 Adjustable Pedal Motor (JF4 without A45)

X51L Fuse Block - Instrument Panel Left Label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1	EMPTY
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3	EMPTY
4	AP0 1 (15A)
5	AP0 / RAP (50A)
6	AP0 / BATT (50A)
7	UGDO ISRVM (10A)
8	SEO RAP (10A)
9	EMPTY
10	BCM 3 (20A)
11	BCM 5 (10A)
12	SWC BKLT (2A)
13	EMPTY
14	EMPTY
15	EMPTY
16	DLIS (2A)
17	EMPTY
18	MIR WNDO MDL (5A)
19	BCM 1 (10A)
20	EMPTY
21	EMPTY
22	EMPTY
23	EMPTY
24	HVAC / AUX HVAC IGN (15A/15A)
25	IPC IGN / SDM IGN (10A/10A)
26	TILT COL / SEO TILT COL LCK1 / SEO (15A/15A)
27	DLC / DSM (10A/10A) (15A)
28	PEPS / HVAC BATT (10A/10A)
29	THEFT DTRNT (10A)
30	EMPTY
31	EMPTY
32	EMPTY
33	SEO ALC (15A)
34	PRK ENBL / EAP (15A)
35	EMPTY
36	MISC RUN CRNK (10A)
37	HTD STR WHL (7.5A)
38	TILT COL LCK2 (10A)
39	IPC (10A)
40	EMPTY
41	EMPTY
42	EMPTY
43	LT DR (30A)
44	DRVR PWR SEAT (30A)
45	EMPTY
46	RT HTD CLD SEAT (15A)
47	LT HTD CLD SEAT (15A)
48	EMPTY
49	EMPTY
50	APO 2 (15A)
51	EMPTY
52	RAP / ACCY (RLY)
53	RUN CRNK (RLY)
54	EMPTY
55	EMPTY
56	EMPTY

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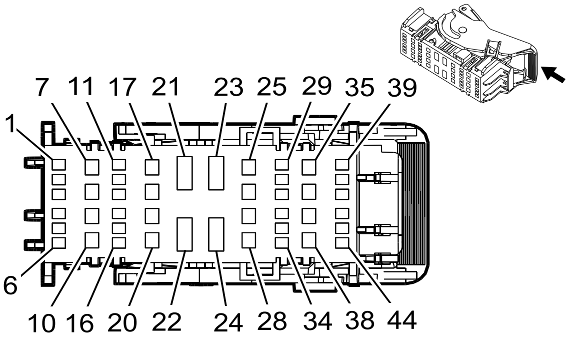
X51L Fuse Block - Instrument Panel Left X1



3240123

Connector Part Information

Harness Type: Body
OEM Connector: 13967687
Service Connector: 19329455
Description: 44-Way F 1.5, 2.8, 800 Metri-Pack Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13578891	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	19367554	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G

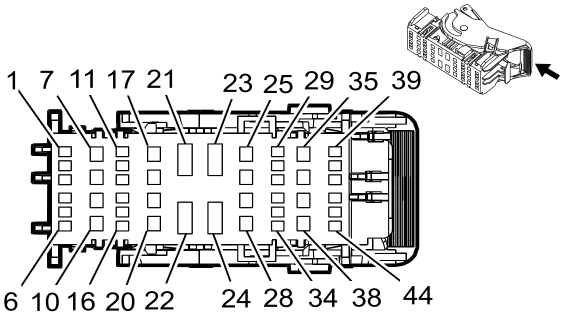
X51L Fuse Block - Instrument Panel Left X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/BN	2240	Battery Positive Voltage	IV	—
2	0.5	RD/BU	4540	Battery Positive Voltage	IV	—
3	0.5	RD/VT	1640	Battery Positive Voltage	I	—
4	—	—	—	Not Occupied	—	—
5	0.5	RD/BN	1140	Battery Positive Voltage	IV	—
6 - 13	—	—	—	Not Occupied	—	—
14	0.5	RD/YE	4340	Battery Positive Voltage	IV	—
15	0.35	GN/GY	5286	Adjustable Pedal Switch Forward Signal	IV	—
16	0.5	RD/VT	1940	Battery Positive Voltage	IV	—
17	0.75	RD/GN	6140	Battery Positive Voltage	III	—
18	0.75 0.75	RD/GN RD/GN	5140 5140	Battery Positive Voltage Battery Positive Voltage	III II	— —
19	—	—	—	Not Occupied	—	—
20	0.75	GN/VT	5130	Adjustable Pedal Actuator Forward Control	III	—

X51L Fuse Block - Instrument Panel Left X1 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
21	5	RD/VT	842	Battery Positive Voltage	V	—
22	—	—	—	Not Occupied	—	—
23	5	RD/BU	42	Battery Positive Voltage	V	—
24	—	—	—	Not Occupied	—	—
25	2.5	RD/BU	6740	Battery Positive Voltage	II	—
26	—	—	—	Not Occupied	—	—
27	2.5	RD/YE	5040	Battery Positive Voltage	II	—
28	0.75	YE	5129	Adjustable Pedal Actuator Rearward Control	III	—
29	—	—	—	Not Occupied	—	—
30	0.5	VT/WH	1939	Run/Crank Ignition 1 Voltage	IV	—
31	—	—	—	Not Occupied	—	—
32	0.5	VT/GN	1739	Run/Crank Ignition 1 Voltage	IV	—
33	0.35	WH/GY	5285	Adjustable Pedal Switch Rearward Signal	IV	—
34	0.5	YE/BK	5813	Park Enable Control	IV	—
35	—	—	—	Not Occupied	—	—
36	2.5	RD/BU	1842	Battery Positive Voltage	II	—
37	2.5	RD/BU	1842	Battery Positive Voltage	II	—
38 - 41	—	—	—	Not Occupied	—	—
42	0.35	GN/VT	5199	Run/Crank Relay Coil Control	IV	—
43	0.35 0.35	GY/GN GY/VT	4083 755	RAP Relay 2 Coil Control RAP Relay Coil Control	IV IV	BTM -BTM
44	0.35	VT/YE	43	Accessory Ignition Voltage	IV	—

X51L Fuse Block - Instrument Panel Left X2



3240119

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13967688
Service Connector: 19329456
Description: 44-Way F 1.5, 2.8, 800 Metri-Pack Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13580025	J-35616-4A (PU)	J-38125-11A	7116-4111-02	Yazaki 9	E	A
II	13580025	J-35616-4A (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
V	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

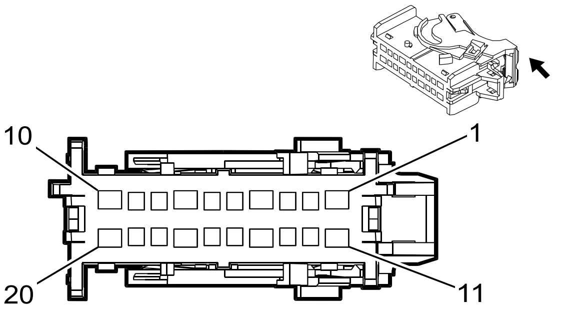
X51L Fuse Block - Instrument Panel Left X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.5	YE	6817	LED Backlight Dimming Control	V	—
4	0.35	BN	6136	Control	II	—
5	0.5	RD/BU	540	Battery Positive Voltage	V	—
6	—	—	—	Not Occupied	—	—
7	0.5	RD/BN	2940	Battery Positive Voltage	IV	—
8	1	RD/GY	2140	Battery Positive Voltage	IV	—
9 - 13	—	—	—	Not Occupied	—	—
14	0.75 0.5	RD/GY RD/GY	4140 4140	Battery Positive Voltage Battery Positive Voltage	V V	BTM -BTM
15	0.5	VT/GY	539	Run/Crank Ignition 1 Voltage	V	—
16 - 17	—	—	—	Not Occupied	—	—
18	0.5	RD/WH	2740	Battery Positive Voltage	IV	—
19	—	—	—	Not Occupied	—	—

X51L Fuse Block - Instrument Panel Left X2 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
20	1.5	RD/WH	1040	Battery Positive Voltage	III	—
21 - 24	—	—	—	Not Occupied	—	—
25	0.5	RD/VT	3340	Battery Positive Voltage	I	—
26	0.5	RD/WH	640	Battery Positive Voltage	IV	—
27	0.5 1.5	RD/VT RD/VT	4640 4640	Battery Positive Voltage Battery Positive Voltage	IV III	7X7/(7X6-7X7) N38
28	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	IV	—
29 - 33	—	—	—	Not Occupied	—	—
34	0.5	VT/BK	739	Run/Crank Ignition 1 Voltage	V	—
35	0.5	RD/GY	2840	Battery Positive Voltage	IV	—
36	0.75	BU/VT	807	OFF /Accessory Ignition Voltage	IV	—
37	0.5	VT/WH	1139	Run/Crank Ignition 1 Voltage	IV	—
38	0.35	VT/GN	1739	Run/Crank Ignition 1 Voltage	IV	—
39 - 42	—	—	—	Not Occupied	—	—
43	0.35	YE	6812	Out of Park Signal	V	—
44	0.75	BK	1850	Ground	V	—

X51L Fuse Block - Instrument Panel Left X3



3240104

Connector Part Information

Harness Type: Headliner
OEM Connector: 15547106
Service Connector: 13597270
Description: 20-Way F 1.5, 2.8 OCS Series (BK)

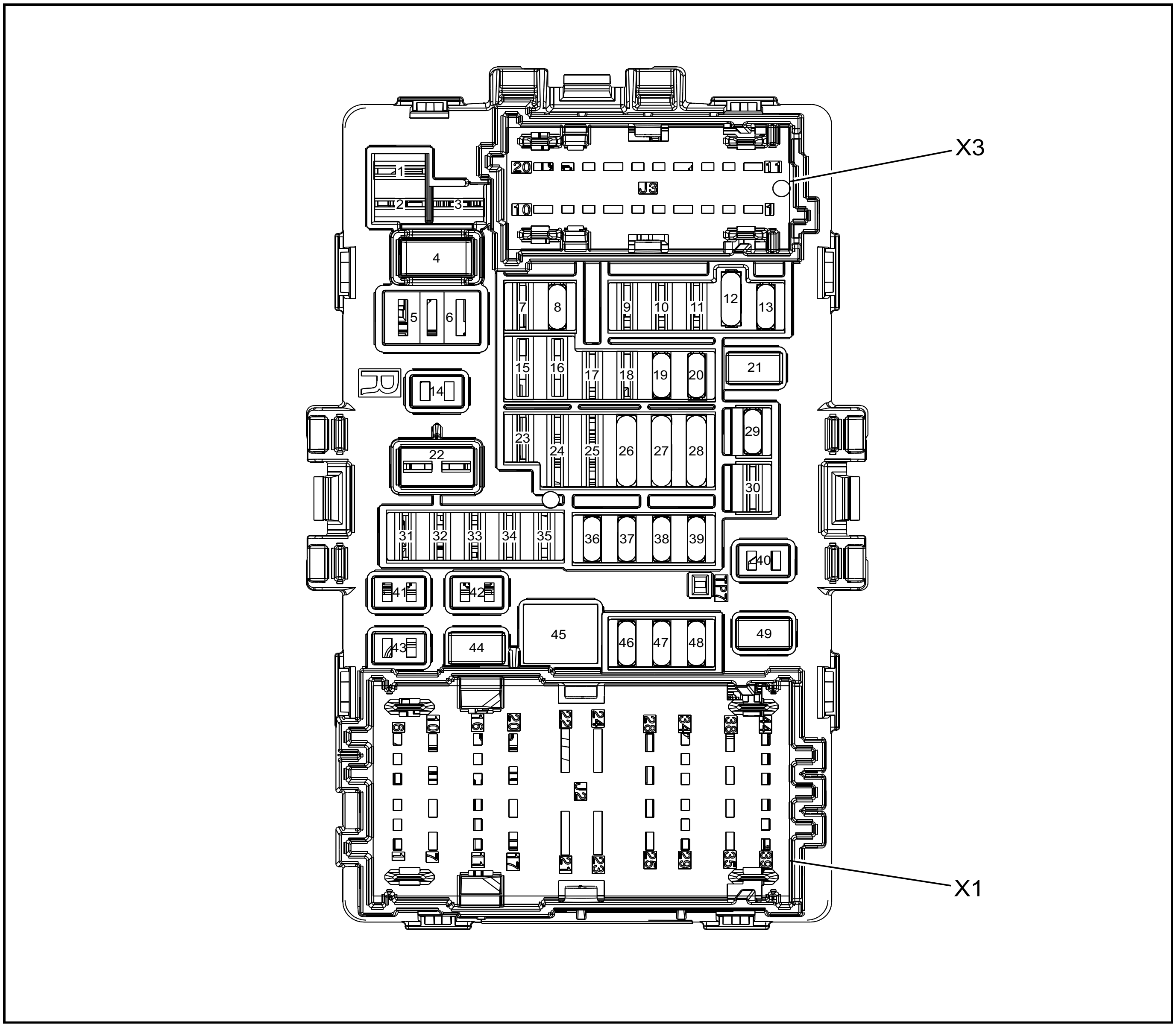
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X51L Fuse Block - Instrument Panel Left X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 10	—	—	—	Not Occupied	—	—
11	0.75	VT/YE	43	Accessory Ignition Voltage	I	—
12	0.75	RD/YE	240	Battery Positive Voltage	II	—
13	0.35	VT/GN	1739	Run/Crank Ignition 1 Voltage	II	—
14	0.35	VT/BK	1139	Run/Crank Ignition 1 Voltage	I	—
15 - 20	—	—	—	Not Occupied	—	—

X51R Fuse Block - Instrument Panel Right Top View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X50R Fuse Block - Instrument Panel Right Usage

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
1	EMPTY	F1DR	—	• Not Used
2	EMPTY	F2DR	—	• Not Used
3	EMPTY	F3DR	—	• Not Used
4	APO 4 (15A)	F4DR	15A	• X80D Accessory Power Receptacle - Center Console Compartment (AZ3 with AVF or D07 without AVF) • X80L Accessory Power Receptacle - Center Console Rear (D07)
5	EMPTY	F5DR	—	• Not Used
6	EMPTY	F6DR	—	• Not Used
7	EMPTY	F7DR	—	• Not Used

X50R Fuse Block - Instrument Panel Right Usage (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
8	GLBX (10A)	F8DR	—	• KR147 Instrument Panel Compartment Door Unlatch Actuator Relay (Z75) • M91 Instrument Panel Compartment Door Unlatch Actuator (Z75)
9	EMPTY	F9DR	—	• Not Used
10	EMPTY	F10DR	—	• Not Used
11	EMPTY	F11DR	—	• Not Used
12	SWC (2A)	F12DR	2A	• S70L Steering Wheel Controls Switch - Left • S70R Steering Wheel Controls Switch - Right
13	BCM 8 (20A)	F13DR	20A	• A23D Door Latch Assembly - Driver • A23LR Door Latch Assembly - Left Rear • A23P Door Latch Assembly - Passenger • A23RR Door Latch Assembly - Right Rear • K9 Body Control Module • KR113 Child Security Lock Disable Relay • M27 Fuel Fill Door Unlatch Actuator
14	EMPTY	F14DR	—	• Not Used
15	EMPTY	F15DR	—	• Not Used
16	EMPTY	F16DR	—	• Not Used
17	EMPTY	F17DR	—	• Not Used
18	EMPTY	F18DR	—	• Not Used
19	BCM 4 (20A)	F19DR	-	• E4G Headlamp - Left Low Beam (X88 or Z88) • E4RF Turn Signal Lamp - Right Front (X88 or Z75) • E4Z Turn Signal Repeater Lamp - Right (DL3 or DR4) • E5L Stop Lamp - Left (X88 with T89) • K9 Body Contol Module • K166R Multifunction LED Control Module - Right Headlamp (X88 with TB8, Z88 or Z75) • K166L Multifunction LED Control Module - Left Headlamp (Z75) • K167R Multifunction LED Control Module - Front Fascia Right (Z75) • K174L Multifunction LED Control Module - Left Tail Lamp (Z88 or Z75)
20	RSE (10A)	F20DR	10A	• P22A Video Display - 2nd Row (U42) • P22B Video Display - 3rd Row (DNU) • S48C Multifunction Switch 1 - Instrument Panel (Z75) • S48D Multifunction Switch 2 - Instrument Panel (Z75) • S140 Media Disc Eject Switch (TG5 or U42)
21	S/ROOF (30A)	F21DR	30A	• KR58 Roof Beacon Relay (TRW) • M69 Sunroof Motor (CF5)
22	EMPTY	F22DR	—	• Not Used
23	EMPTY	F23DR	—	• Not Used
24	EMPTY	F24DR	—	• Not Used
25	EMPTY	F25DR	—	• Not Used
26	INFO/AIRBAG (10A/10A)	F26DR	10A	• K36 Inflatable Restraint Sensing and Diagnostic Module • K73 Telematics Communication Interface Control Module (UE1) • K85 Passenger Presence Module

X50R Fuse Block - Instrument Panel Right Usage (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
27	SPARE/RAIN SNSR (10A/10A)	F27DR	10A	• B200 Rain Sensor Module • S79P Window Switch - Passenger
28	USB / OBS DET (10A)	F28DR	10A	• B174W Frontview Camera - Windshield (UFL, UHX or UGN with Z75) • B218R Side Object Sensor Module - Right (UKC) • K14 Distance Sensing Cruise Control Module (K59) • K41 Front and Rear Parking Assist Control Module (UD5 or UD7) • K124 Active Saftey Control Module (UGN) • X83 Auxiliary Audio Input (AZ3)
29	RDO (20A)	F29DR	20A	• A11 Radio • A33 Media Disc Player • K74 Human Machine Interface Control Module (IO5 or IO6) • X82 Audio/Video Input Adapter (D07 with U42) • X83 Auxiliary Audio Input (D07)
30	EMPTY	F30DR	—	• Not Used
31	EMPTY	F31DR	—	• Not Used
32	EMPTY	F32DR	—	• Not Used
33	EMPTY	F33DR	—	• Not Used
34	EMPTY	F34DR	—	• Not Used
35	EMPTY	F35DR	—	• Not Used
36	SEO B2 (30A)	F36DR	30A	• KR103 DVD Relay (AYE) • X55X Fuse Holder - Video Display (AYE) • X61A Junction Block - Instrument Panel (AYE)
37	SEO (15A)	F37DR	15A	• Not Used
38	BCM 2 (10A)	F38DR	10A	• K9 Body Control Module • KR81 Auxiliary Battery Relay 1 (5W4 or 9C1) • S30 Headlamp Switch • S77 Transfer Case Shift Control Switch (NP0 or NQH) • X81 Accessory Power Receptacle - 110V AC (KI4) • X81B Accessory Power Receptacle - 220V AC (KI5)
39	AC INV (25A)	F39DR	25A	• T1 Accessory DC/AC Power Inverter Module (KI4 or KI5)
40	EMPTY	F40DR	—	• Not Used
41	EMPTY	F41DR	—	• Not Used
42	EMPTY	F42DR	—	• Not Used
43	EMPTY	F43DR	—	• Not Used
44	RT DR WNDW MTR (30A)	F44DR	30A	• M74P Window Motor - Passenger • S79P Window Switch - Passenger
45	FRT BLWR (40A)	F45DR	40A	• M8 Blower Motor

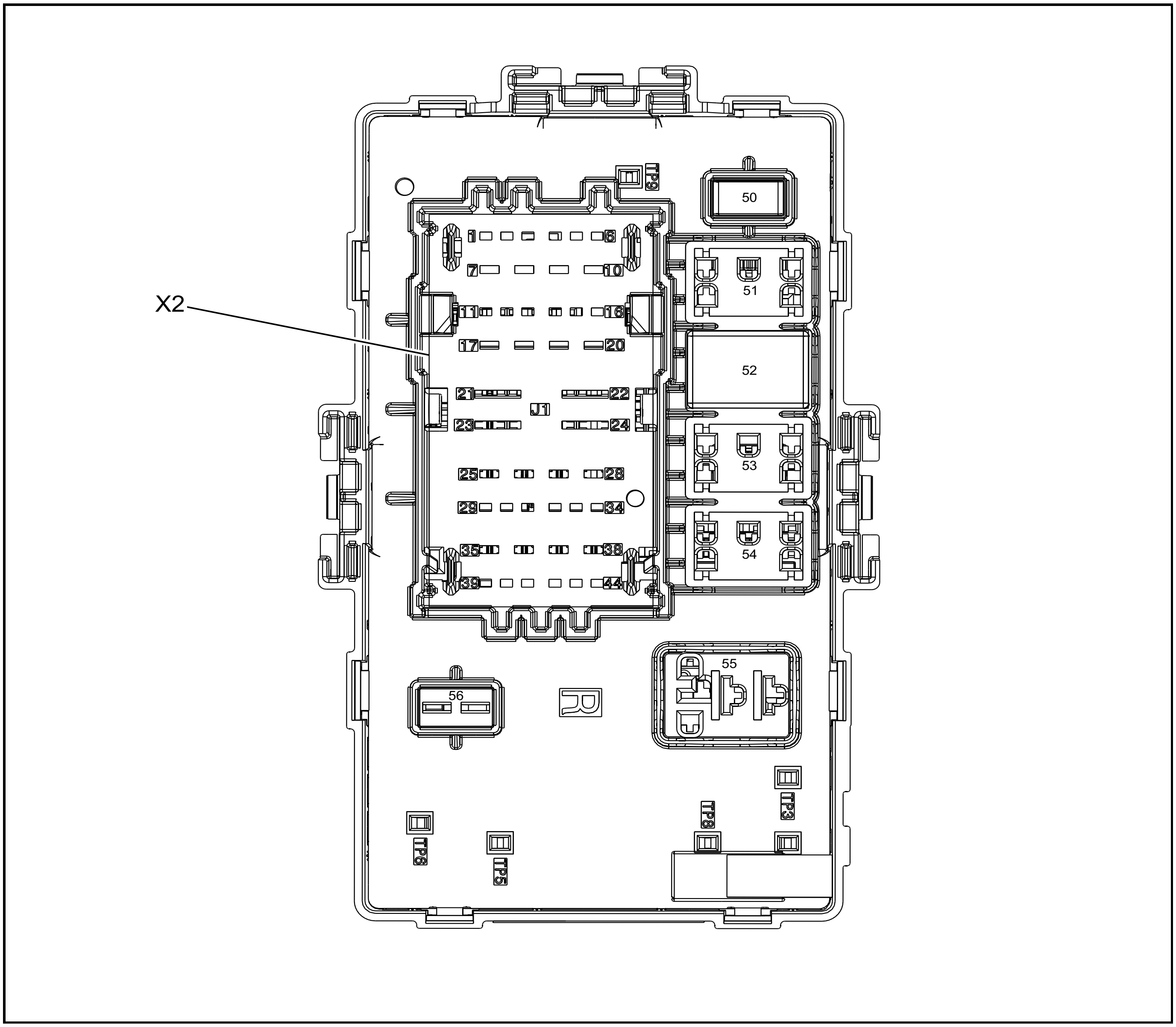
X50R Fuse Block - Instrument Panel Right Usage (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
46	BCM 6 (15A)	F46DR	15A	• E4RR Turn Signal Lamp - Right Rear (X88 with T89) • E5AU Stop/Turn Signal Lamp - Right Upper (X88 without T89) • E5AV Stop/Turn Signal Lamp - Right Lower (X88 without T89) • E37B Dome/Reading Lamps - 2nd Row (without U42) • E37C Dome/Reading Lamps - 3rd Row (without DNU) • E37EL Dome/Reading Lamps - Front Overhead Console Left • E37ER Dome/Reading Lamps - Front Overhead Console Right • E37H Dome/Reading Lamps - Left Roof Rail (AZ3) • E37J Dome/Reading Lamps - Right Roof Rail (AZ3) • F12DL • K9 Body Control Module • KR11 Windshield Washer Pump Relay • KR12B Windshield Wiper Relay • K20 Engine Control Module • K38 Chassis Control Module (IK9, JL1 or Z85) • K69 Transfer Case Control Module (NP0 or NQH) • K71 Transmission Control Module (M5U) • K111 Fuel Pump Control Module • K167R Multifunction LED Control Module - Front Fascia Right (Z75) • K174R Multifunction LED Control Module - Right Tail Lamp (Z88 or Z75) • P22A Video Display - 2nd Row (U42) • P22B Video Display - 3rd Row (DNU) • Q8 Control Solenoid Valve Assembly (MYC) • S12 Dome Lamp Switch • S13D Door Lock Switch - Driver • S13P Door Lock Switch - Passenger • S25 Garage Door Opener (UG1) • S27 Heads-Up Display Switch (UV6) • S30 Headlamp Switch • S38 Ignition Mode Switch (BTM) • S43 Content Theft Deterrent Sensor Disable Switch (UTT) • S45B Liftgate Control Switch - Interior (TB5 or TC2) • S47D Seat Memory Switch - Driver (A45) • S48A Multifunction Switch - Instrument Panel (X88 or Z88) • S48D Multifunction Switch 2 - Instrument Panel (Z75) • S52 Outside Rearview Mirror Switch (without A45) • S72 Sunroof Switch (CF5) • S76 Trailer Brake Control Switch (JL1) • S77 Transfer Case Shift Control Switch (NP0 or NQH) • S79P Window Switch - Passenger • S91 Park Brake Control Switch (J71) • S140 Media Disc Eject Switch (Z75) • S145 Center Console Compartment Cooler Switch (DCK)

X50R Fuse Block - Instrument Panel Right Usage (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
47	BCM 7 (15A)	F47DR	15A	• A23D Door Latch Assembly - Driver • A23LR Door Latch Assembly - Left Rear • A23P Door Latch Assembly - Passenger • A23RR Door Latch Assembly - Right Rear • E4LR Turn Signal Lamp - Left Rear • E5AS Stop/Turn Signal Lamp - Left Upper • E5AT Stop/Turn Signal Lamp - Left Lower • E8XA Door Handle Courtesy Lamp - Driver Exterior (DL3 or DR4 with HD7) • E8XB Door Handle Courtesy Lamp - Passenger Exterior (DL3 or DR4 with HD7) • E8XC Door Handle Courtesy Lamp - Left Rear Exterior (HD7) • E8XD Door Handle Courtesy Lamp - Right Rear Exterior (HD7) • E8YD Outside Rearview Mirror Courtesy Lamp - Driver (DL3 or DR4) • E8YP Outside Rearview Mirror Courtesy Lamp - Passenger (DL3 or DR4) • E8ZL Running Board Step Courtesy Lamp - Left (BRS) • E8ZR Running Board Step Courtesy Lamp - Right (BRS) • K9 Body Control Module • K174L Multifunction LED Control Module - Left Tail Lamp (Z88 or Z75) • KR114 Door Lock Relay • M7 Transmission Shift Lock Control Solenoid Actuator • M27 Fuel Fill Door Unlatch Actuator (N08)
48	AMP (30A)	F48DR	30A	• T3 Audio Amplifier (IO5 or IO6)
49	RT FRT SEAT (30A)	F49DR	30A	• K40P Seat Memory Control Module - Passenger (AG2 with ULT) • S64P Seat Adjuster Switch - Passenger (AG2 without ULT)

X51R Fuse Block - Instrument Panel Right Bottom View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TP6
TP5

3716150

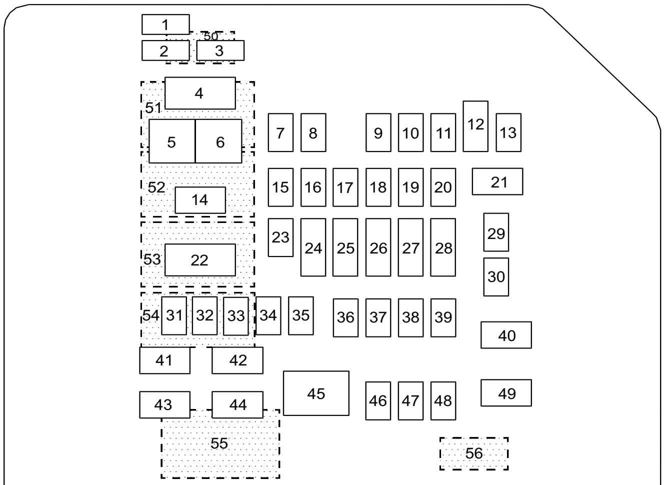
X50R Fuse Block - Instrument Panel Right Usage

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
50	APO 3 (15A)	F50DR	15A	• X80D Accessory Power Receptacle - Center Console Compartment (AZ3 without AVF or D07 with AVF) • X80E Accessory Power Receptacle — Center Seat (AZ3)
56	EMPTY	F56DR	—	• Not Used
Relays				
51	EMPTY	—	—	• Not Used
52	RAP / ACCY (RLY)	KR76B Retained Accessory Power Relay 2	—	• F4DR • F50DR
53	EMPTY	—	—	• Not Used
54	EMPTY	—	—	• Not Used

X50R Fuse Block - Instrument Panel Right Usage (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
55	EMPTY	—	—	• Not Used
Important: Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block				
—	KR113 Child Security Lock Disable Relay	—	—	• A23LR Door Latch Assembly - Left Rear • A23P Door Latch Assembly - Passenger • A24RR Door Latch Assembly - Right Rear
—	KR114 Door Dead Lock Relay (N08 or UTT)	—	—	• A24D Door Latch Assembly - Driver • A23LR Door Latch Assembly - Left Rear • A23P Door Latch Assembly - Passenger • A24RR Door Latch Assembly - Right Rear • M27 Fuel Fill Door Unlatch Actuator (N08)
—	KR147 Instrument Panel Compartment Door Unlatch Actuator Relay (Z75)	—	—	• M91 Instrument Panel Compartment Door Unlatch Actuator (Z75)

X51R Fuse Block - Instrument Panel Right Label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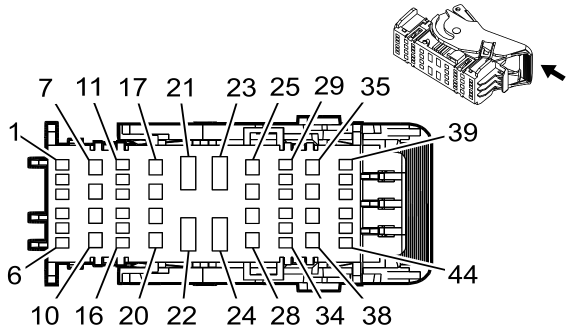
3	EMPTY
4	AP0 4 (15A)
5	EMPTY
6	EMPTY
7	EMPTY
8	GLBX (10A)
9	EMPTY
10	EMPTY
11	EMPTY
12	SWC (2A)
13	BCM 8 (20A)
14	EMPTY
15	EMPTY
16	EMPTY
17	EMPTY
18	EMPTY
19	BCM 4 (20A)
20	RSE (10A)
21	S/ROOF (30A)
22	EMPTY
23	EMPTY
24	EMPTY
25	EMPTY
26	INFO/AIRBAG (10A/10A)
27	SPARE/RAIN SNSR (10A/10A)
28	USB/OBS DET (15A)
29	RDO (20A)
30	EMPTY
31	EMPTY
32	EMPTY
33	EMPTY
34	EMPTY
35	EMPTY
36	SEO B2 (30A)
37	SEO (15A)
38	BCM 2 (10A)
39	AC INV (25A)
40	EMPTY
41	EMPTY
42	EMPTY
43	EMPTY
44	RT DR WNDW MTR (30A)
45	FRT BLWR (40A)
46	BCM 6 (15A)
47	BCM 7 (15A)
48	AMP (30A)
49	RT FRT SEAT (30A)
50	APO 3 (15A)
51	EMPTY
52	RAP / ACCY (RLY)
53	EMPTY
54	EMPTY
55	EMPTY
56	EMPTY

3712757

X51R Fuse Block - Instrument Panel Right X1



3240121

Connector Part Information

Harness Type: Body
OEM Connector: 13967689
Service Connector: 19329457
Description: 44-Way F 1.5, 2.8, 800 Metri-Pack Series (NA)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19301751	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
II	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	19366953	J-35616-44 (YE)	J-38125-558	Not Available	Not Available	Not Available	Not Available
VI	19367554	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G

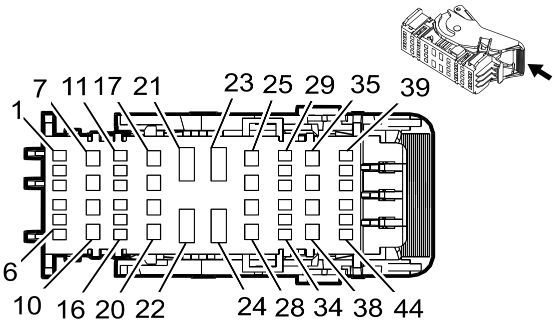
X51R Fuse Block - Instrument Panel Right X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GY	295	Door Lock Actuator Lock Control	I	—
2	1.5	WH/BU	3266	Child Security Lock Motor Lock Control	I	—
3	0.35	VT/YE	3267	Child Security Lock Relay Control	IV	—
4	1.5	GY/GN	3271	Door Lock Control 2	I	—
5	—	—	—	Not Occupied	—	—
6	0.35 0.35	GY/GN GY/VT	4083 755	RAP Relay 2 Coil Control RAP Relay Coil Control	IV IV	BTM O5/IO6
7 - 14	—	—	—	Not Occupied	—	—
15	0.35	RD/BU	840	Battery Positive Voltage	IV	—
16	0.5	RD/GN	4440	Battery Positive Voltage	IV	—
17	—	—	—	Not Occupied	—	—
18	1.5	VT/YE	143	Accessory Ignition Voltage	II	—
19	2.5	RD/WH	1340	Battery Positive Voltage	II	—

X51R Fuse Block - Instrument Panel Right X1 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
20	2.5	RD/WH	1340	Battery Positive Voltage	II	—
21	6	RD/GN	242	Battery Positive Voltage	V	—
22	4	RD/VT	542	Battery Positive Voltage	VI	—
23	—	—	—	Not Occupied	—	—
24	6	RD/GY	142	Battery Positive Voltage	V	—
25 - 26	—	—	—	Not Occupied	—	—
27	0.75	RD/VT	340	Battery Positive Voltage	III	—
28	—	—	—	Not Occupied	—	—
29	1.5	BU/WH	195	Door Lock Control	I	—
30	1.5	BN	5910	Door Double Lock Actuator Lock Control	I	—
31	—	—	—	Not Occupied	—	—
32	0.5	GN/BN	6132	Local Interconnect Network Serial Data Bus 1	IV	—
33	0.75	RD/WH	3440	Battery Positive Voltage	IV	—
34	0.75	RD/GN	5140	Battery Positive Voltage	IV	—
35 - 36	—	—	—	Not Occupied	—	—
37	2.5	RD/YE	3740	Battery Positive Voltage	II	—
38	2.5	RD/BN	1440	Battery Positive Voltage	II	—
39	—	—	—	Not Occupied	—	—
40	0.75 0.75 0.75	GY GY GY	5911 5911 295	Door Lock Actuator Lock Control 2 Door Lock Actuator Lock Control 2 Door Lock Actuator Lock Control	IV I I	AU3 AU3 N08
41	0.35	BU/BN	7547	Security Lock Relay Control	IV	—
42	0.5	RD/BU	840	Battery Positive Voltage	IV	—
43	0.75	RD/GN	3140	Battery Positive Voltage	IV	—
44	—	—	—	Not Occupied	—	—

X51R Fuse Block - Instrument Panel Right X2



3240120

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13967690
Service Connector: 19329458
Description: 44-Way F 1.5, 2.8, 800 Metri-Pack Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575718	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G
II	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

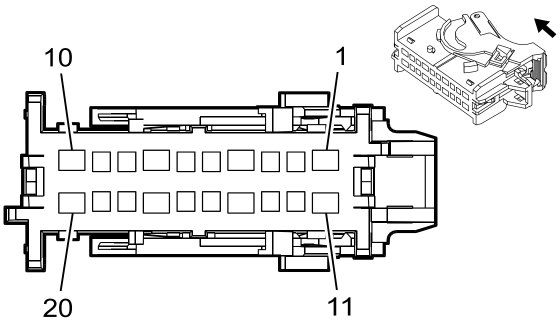
X51R Fuse Block - Instrument Panel Right X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/GN	1540	Battery Positive Voltage	IV	—
2	0.35	BN/WH	4046	Glove Box Door Release Relay Control	IV	—
3 - 6	—	—	—	Not Occupied	—	—
7	0.75	RD/VT	4040	Battery Positive Voltage	III	—
8	0.75	RD/BU	2540	Battery Positive Voltage	III	—
9	—	—	—	Not Occupied	—	—
10	1.5	VT/YE	243	Accessory Ignition Voltage	II	—
11 - 15	—	—	—	Not Occupied	—	—
16	0.35	RD/YE	3040	Battery Positive Voltage	IV	—
17	1	RD/VT	340	Battery Positive Voltage	III	—
18	—	—	—	Not Occupied	—	—
19	0.5	BN/GY	4048	Glove Box Door Release Control	III	—
20 - 21	—	—	—	Not Occupied	—	—
22	2.5	BK	1050	Ground	I	—
23 - 28	—	—	—	Not Occupied	—	—
29	0.5	RD/BN	2240	Battery Positive Voltage	IV	—

X51R Fuse Block - Instrument Panel Right X2 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
30 - 33	—	—	—	Not Occupied	—	—
34	0.35	RD/BU	3240	Battery Positive Voltage	IV	—
35	2.5	RD/GY	4140	Battery Positive Voltage	II	—
36 - 37	—	—	—	Not Occupied	—	—
38	1.5	RD/YE	2340	Battery Positive Voltage	II	—
39 - 44	—	—	—	Not Occupied	—	—

X51R Fuse Block - Instrument Panel Right X3



3243003

Connector Part Information

Harness Type: Headliner
OEM Connector: 15547107
Service Connector: 13597269
Description: 20-Way F 1.5, 2.8 OCS Series (GY)

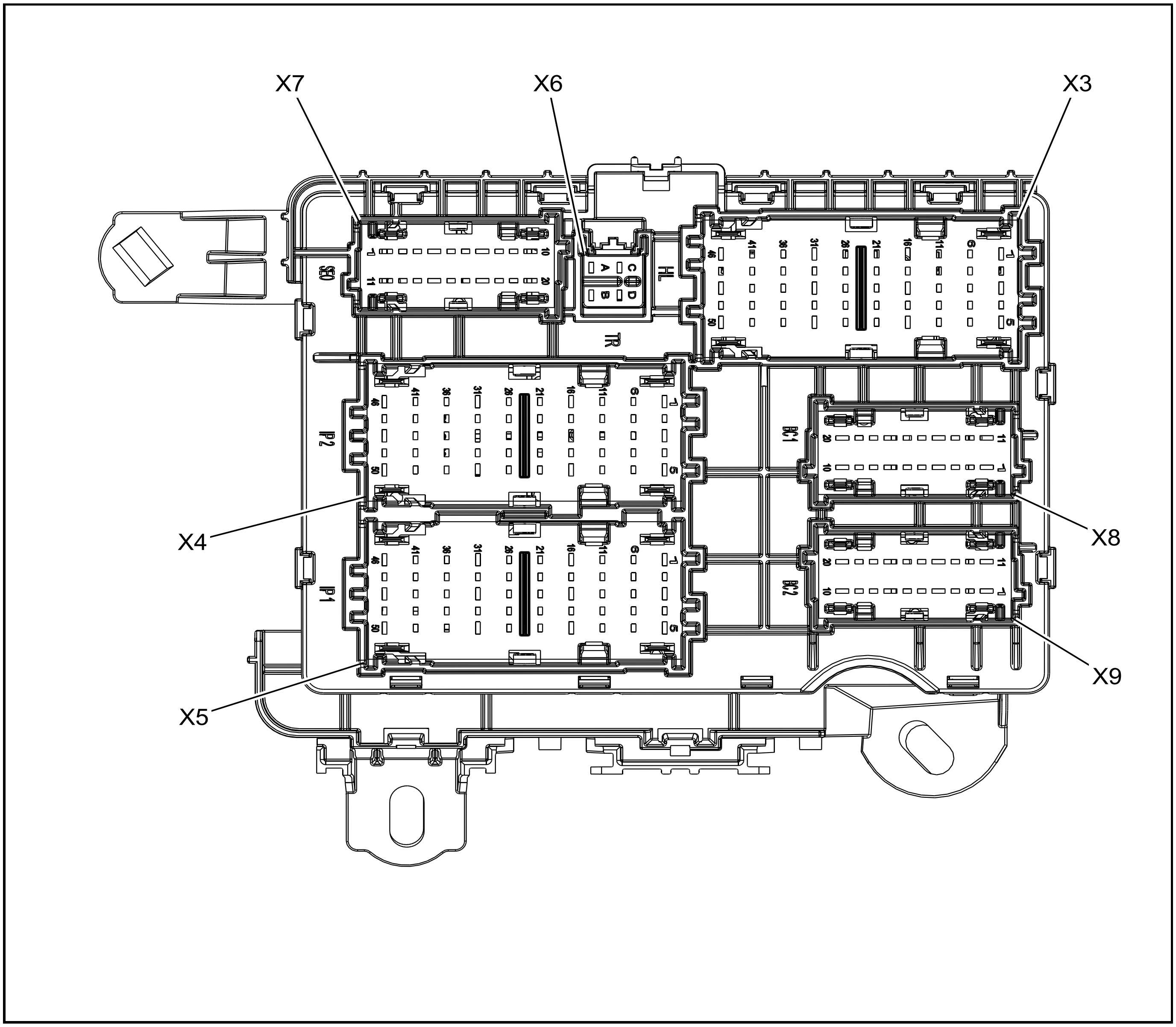
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13587516	J-35616-4A (PU)	J-38125-11A	7116-4112-02	Yazaki 9	C	D
II	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X51R Fuse Block - Instrument Panel Right X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	RD/GN	3140	Battery Positive Voltage	I	—
2	0.5	GN/BN	6132	Local Interconnect Network Serial Data Bus 1	IV	—
3 - 7	—	—	—	Not Occupied	—	—
8	0.35	RD/BU	840	Battery Positive Voltage	IV	—
9	—	—	—	Not Occupied	—	—
10	0.35 0.35 2.5	BK BK BK	1050 1050 1050	Ground Ground Ground	II III II	CE1 CE1 CF5/TRW
11 - 20	—	—	—	Not Occupied	—	—

X61A Junction Block - Instrument Panel Top View


X7
X6
X3
X4
X8
X5
X9
SE0
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P2
P1
BC1
BC2
A
B
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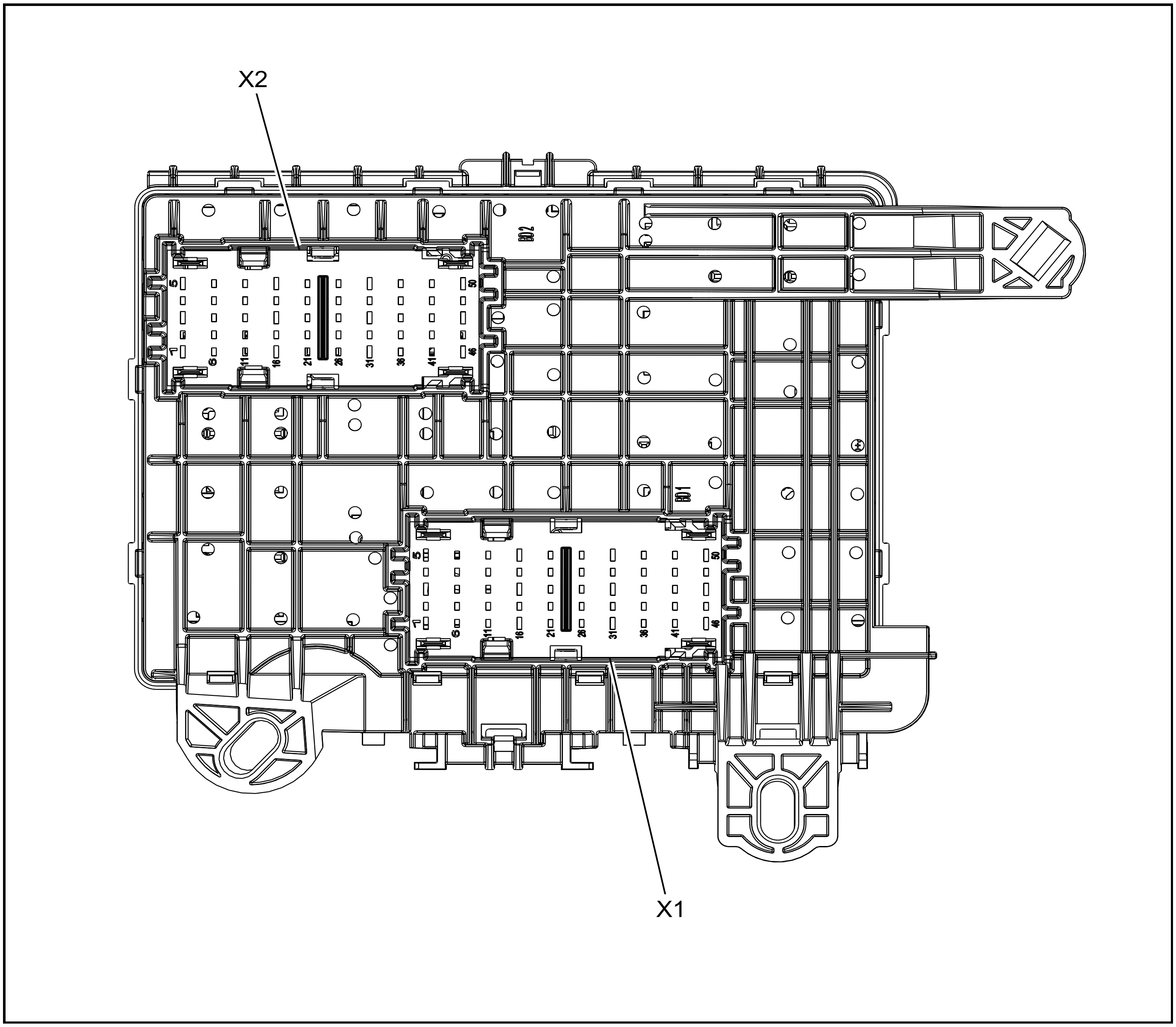
X61A Junction Block - Instrument Panel Bottom View



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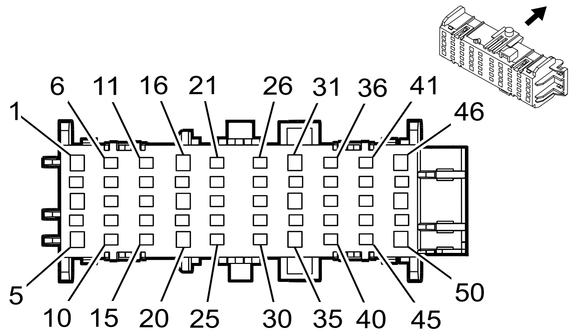
X61A Junction Block - Instrument Panel X1



3240131

Connector Part Information

Harness Type: Body
OEM Connector: 33114819
Service Connector: 19301798
Description: 50-Way F 1.5, 2.8 OCS Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

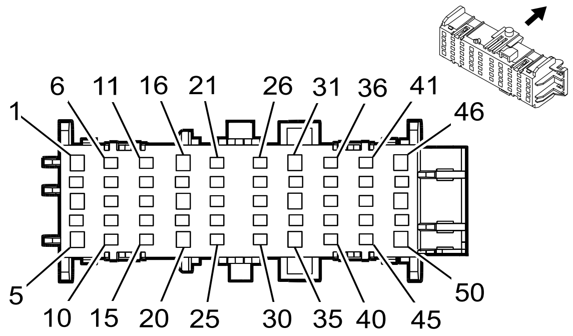
X61A Junction Block - Instrument Panel X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	GY/BK	1570	Front Axle Actuator Control	III	—
3 - 10	—	—	—	Not Occupied	—	—
11	0.35	GY/GN	2555	Rear Park Assist Disable Signal	III	—
12 - 15	—	—	—	Not Occupied	—	—
16	2.5	BU	965	—	I	—
17	—	—	—	Not Occupied	—	—
18	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	II	—
19	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	III	—
20	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	II	—
21	0.5	RD/WH	961	—	III	—
22	0.35	VT	185	Low Washer Fluid Indicator Control	III	—
23	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	III	—
24	0.5	BN	7634	Integrated Trailer Brake Controller Redundant Manual Apply Signal	III	—
25	0.35	GY	5697	Child Lockout Indicator Control	III	—
26	0.5	BU/RD	7632	Integrated Trailer Brake Controller Switch 5V Reference	III	—

X61A Junction Block - Instrument Panel X1 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
27	0.5	BK/BN	7631	Integrated Trailer Brake Controller Switch Low Reference	III	—
28	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	III	—
29	0.5	YE	7635	Integrated Trailer Brake Controller Manual Apply Signal	III	—
30	0.5	GN/GY	963	—	III	—
31	2.5	GY/BK	966	—	I	—
32	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	III	—
33	0.5	VT/BN	300	Run Ignition 3 Voltage	II	—
34	0.5	YE/WH	962	—	III	—
35	2.5	YE/BN	967	—	I	—
36	0.35	WH/GY	5285	Adjustable Pedal Switch Rearward Signal	III	—
37	—	—	—	Not Occupied	—	—
38	0.5	WH/BU	964	—	III	—
39	1	BU/VT	1134	Park Brake Switch Signal	III	—
40	0.5	GN	5060	Low Speed GMLAN Serial Data	III	—
41	0.5	GN/BK	7633	Integrated Trailer Brake Controller User Gain Signal	III	—
42	0.35	GN/GY	5286	Adjustable Pedal Switch Forward Signal	III	—
43	0.35	GN/VT	1601	Steering Column Lock Signal	III	—
44	0.5	WH/BU	3691	Trailer Brake Apply Signal	III	—
45	0.35	GN/BN	5852	Rear Park Assist LED Disable Signal	III	—
46	0.5	VT/WH	1939	Run/Crank Ignition 1 Voltage	II	—
47	0.5	WH	6816	Indicator Dimming Control	III	—
48	2.5	RD/GN	968	—	I	—
49	0.5	YE/WH	816	Brake Transmission Shift Interlock Solenoid Control	III	—
50	2.5	BK	2550	Ground	I	—

X61A Junction Block - Instrument Panel X2



3240130

Connector Part Information

Harness Type: Body
OEM Connector: 33115109
Service Connector: 19329464
Description: 50-Way F 1.5, 2.8 OCS Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575543	J-35616-35 (VT)	J-38125-12A	1326030-8	Lear 17	B	F
II	19301751	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
III	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
V	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

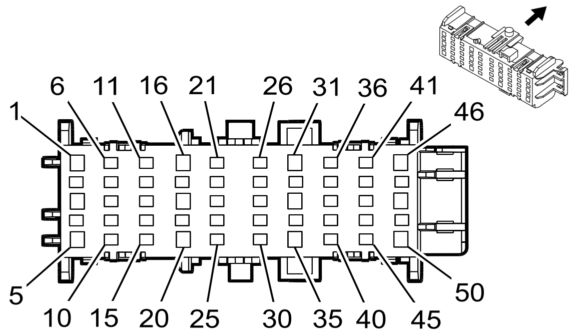
X61A Junction Block - Instrument Panel X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	4	RD/GY	1342	Battery Positive Voltage	I	—
4	0.35	BU	2307	Passenger Air Bag On Indicator Control	V	—
5	0.5	RD/GN	3140	Battery Positive Voltage	IV	—
6	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	V	—
7	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	V	—
8	0.35	WH/RD	6207	Memory Sensor High Reference	V	—
9	0.35	BK/YE	1691	Automatic Day/Night Mirror Low Reference	V	—
10	0.35	YE/WH	1690	Automatic Day/Night Mirror Signal	V	—
11	0.35	BU	5952	Adjustable Pedal Position Sensor Brake Signal	V	—
12	1.5 0.75	YE YE	5129 5129	Adjustable Pedal Actuator Rearward Control Adjustable Pedal Actuator Rearward Control	II V	JF4+A45 JF4-A45
13 - 14	—	—	—	Not Occupied	—	—
15	0.35	GN/WH	24	Backup Lamp Control	V	—

X61A Junction Block - Instrument Panel X2 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
16	2.5	YE/BN	1569	Transfer Case Lock Solenoid Control	III	—
17	—	—	—	Not Occupied	—	—
18	4	BK	550	Ground	I	—
19	0.35	VT/WH	5234	Passenger Seat Belt Indicator Control	V	—
20	0.35	GN	6112	Power Lift Gate On/Off Switch Signal	IV	—
21	1.5 0.75	GN/VT GN/VT	5130 5130	Adjustable Pedal Actuator Forward Control Adjustable Pedal Actuator Forward Control	II V	JF4+A45 JF4-A45
22	0.35	BK/GY	6206	Memory Sensor Low Reference	V	—
23	0.5	WH/BN	6815	Inadvertent Power Control	V	—
24	0.35	GN	2308	Passenger Air Bag Off Indicator Control	V	—
25	—	—	—	Not Occupied	—	—
26	0.35	BU/GY	7473	Incremental Encoder Impulse Signal	V	—
27	0.35	VT	7476	Incremental Encoder Sensor Low Reference	V	—
28	—	—	—	Not Occupied	—	—
29	0.5	GY	157	Interior Lamp Control	V	—
30	0.35	GY	156	Courtesy Lamp Switch Signal	V	—
31	4	YE/VT	1553	Transfer Case Motor Counter Clockwise Control	I	—
32	0.35	YE	7474	Incremental Encoder Direction Signal	V	—
33 - 34	—	—	—	Not Occupied	—	—
35	2.5	RD/GN	242	Battery Positive Voltage	III	—
36	0.35	WH/GN	7475	Incremental Encoder Sensor 8V Reference	V	—
37	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator Control	V	—
38	0.35	VT/YE	5985	Accessory Wakeup Serial Data	V	—
39	—	—	—	Not Occupied	—	—
40	0.35	GY/BK	6113	Rear Lift Gate Open/Close Switch Signal	V	—
41 - 42	—	—	—	Not Occupied	—	—
43	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	V	—
44	0.5	WH/BU	3691	Trailer Brake Apply Signal	V	—
45	—	—	—	Not Occupied	—	—
46	4	YE/GY	1552	Transfer Case Motor Clockwise Control	I	—
47	0.5	GN/GY	817	Vehicle Speed Signal	V	—
48	2.5	BU	47	Trailer Auxiliary Control	III	—
49	0.35	WH	3152	Lane Departure Warning Indicator Control	V	—
50	0.35	VT/YE	43	Accessory Ignition Voltage	IV	—

X61A Junction Block - Instrument Panel X3



3240132

Connector Part Information

Harness Type: Headliner
OEM Connector: 33115112
Service Connector: 19329467
Description: 50-Way F 1.5, 2.8 OCS Series (BU)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13578891	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

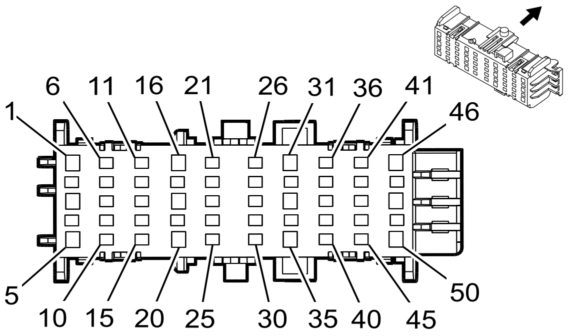
X61A Junction Block - Instrument Panel X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.35	RD/GN	3140	Battery Positive Voltage	III	—
4	0.35	BU	2307	Passenger Air Bag On Indicator Control	I	—
5 - 7	—	—	—	Not Occupied	—	—
8	0.35	YE/WH	1690	Automatic Day/Night Mirror Signal	IV	—
9	0.35	BK/YE	1691	Automatic Day/Night Mirror Low Reference	IV	—
10 - 12	—	—	—	Not Occupied	—	—
13	0.35	GN/RD	24	Backup Lamp Control	IV	—
14 - 16	—	—	—	Not Occupied	—	—
17	0.35	GN/BK	2515	Keypad Control	IV	—
18	0.35	GN	6112	Power Lift Gate On/Off Switch Signal	III	—
19	0.35	VT/WH	5234	Passenger Seat Belt Indicator Control	I	—
20	—	—	—	Not Occupied	—	—
21	0.35	GN/BU	2514	Keypad Signal	IV	—
22	0.35	YE/BN	2516	Keypad Green LED Control	IV	—
23	—	—	—	Not Occupied	—	—

X61A Junction Block - Instrument Panel X3 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
24	0.35	GN/RD	2308	Passenger Air Bag Off Indicator Control	I	—
25	0.5	WH/BN	6815	Inadvertent Power Control	IV	—
26	—	—	—	Not Occupied	—	—
27	0.5	YE	6817	LED Backlight Dimming Control	IV	—
28	0.35	GY/BU	156	Courtesy Lamp Switch Signal	I	—
29	0.5	GY	157	Interior Lamp Control	IV	—
30 - 35	—	—	—	Not Occupied	—	—
36	0.35	BN/WH	2517	Keypad Red LED Control	IV	—
37	—	—	—	Not Occupied	—	—
38	0.35	GY/BK	6113	Rear Lift Gate Open/Close Switch Signal	I	—
39 - 40	—	—	—	Not Occupied	—	—
41	0.35	GY/GN	328	Interior Lamp Defeat Switch Signal	I	—
42	0.35	VT/GN	7558	LED Ambient Lighting Control 2	IV	—
43 - 44	—	—	—	Not Occupied	—	—
45	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	IV	—
46	2.5	BK	1050	Ground	II	—
47	0.35	GN	5060	Low Speed GMLAN Serial Data	IV	—
48	—	—	—	Not Occupied	—	—
49	0.35	WH	3152	Lane Departure Warning Indicator Control	IV	—
50	—	—	—	Not Occupied	—	—

X61A Junction Block - Instrument Panel X4



3240129

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 33115111
Service Connector: 19329466
Description: 50-Way F 1.5, 2.8 OCS Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

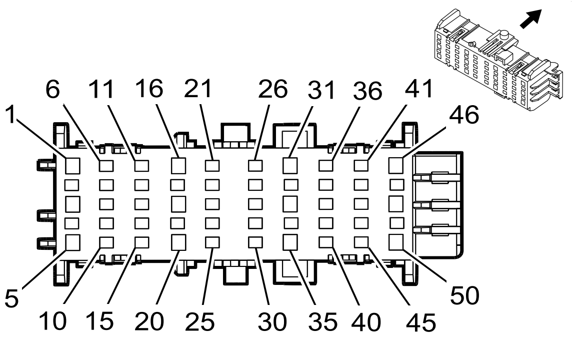
X61A Junction Block - Instrument Panel X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.35	YE/VT	2516	Keypad Green LED Control	III	—
3	0.35	BK/GN	552	Sensor Low Reference	II	—
4	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	III	—
5	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
6	0.5	YE	6817	LED Backlight Dimming Control	III	—
7	0.35	GN/WH	2514	Keypad Signal	III	—
8	0.35	GY/RD	598	5V Reference	III	—
9	0.35	WH/GN	526	Stop Lamp Switch Signal	III	—
10	0.35	BU/YE	1693	Four Wheel Drive Switch Signal	III	—
11	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	III	—
12 - 13	—	—	—	Not Occupied	—	—
14	0.35	BN	1560	Neutral Indicator Control	III	—
15	0.35	GY/RD	6029	Four Wheel Drive Mode Switch 5V Reference	III	—
16	2.5	BK	1050	Ground	I	—
17 - 18	—	—	—	Not Occupied	—	—
19	0.35	GN/BK	2515	Keypad Control	III	—

X61A Junction Block - Instrument Panel X4 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
20	—	—	—	Not Occupied	—	—
21	0.5	VT/GN	7558	LED Ambient Lighting Control 2	III	—
22	0.35	BN/WH	2517	Keypad Red LED Control	III	—
23	0.35	BN/BK	1566	4 HI Indicator Control	III	—
24	0.35	VT/WH	1565	4 LO Indicator Control	III	—
25	0.35	VT/GN	1739	Run/Crank Ignition 1 Voltage	III	—
26	0.35	WH	3152	Lane Departure Warning Indicator Control	III	—
27	0.35	GY/GN	328	Interior Lamp Defeat Switch Signal	III	—
28 - 29	—	—	—	Not Occupied	—	—
30	0.35	GY/GN	1561	AWD Indicator Control	III	—
31	1.5	RD/YE	2340	Battery Positive Voltage	I	—
32	0.5	BK/WH	1851	Signal Ground	III	—
33	0.35 0.75	BK/WH BK/WH	1851 1851	Signal Ground Signal Ground	II	— —
34	0.35	BK/WH	1851	Signal Ground	III	—
35	2.5	BK/WH	1851	Signal Ground	I	—
36	—	—	—	Not Occupied	—	—
37	0.35	BK/WH	1851	Signal Ground	III	—
38	0.5	BK/WH	1851	Signal Ground	III	—
39	0.35	BK/WH	1851	Signal Ground	III	—
40	0.35	GN/BK	1563	2 HI Indicator Control	III	—
41	0.35	BK/WH	1851	Signal Ground	III	—
42	0.35	BK/WH	1851	Signal Ground	III	—
43	0.35	BK/WH	1851	Signal Ground	III	—
44	0.35	BK	2550	Ground	III	—
45	0.35	BK	2550	Ground	III	—
46	0.35 0.75	BK BK	2550 2550	Ground Ground	II	— —
47	0.35	BK	2550	Ground	III	—
48	0.5 0.75	BK BK	2550 2550	Ground Ground	II II	TG5 U42
49	0.35	BK	2550	Ground	III	—
50	0.75	BK	2550	Ground	II	—

X61A Junction Block - Instrument Panel X5



3240128

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 33115110
Service Connector: 19329465
Description: 50-Way F 1.5, 2.8 OCS Series (NA)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

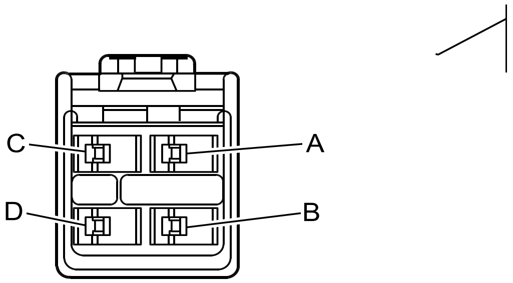
X61A Junction Block - Instrument Panel X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
2	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	II	—
3	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
4 - 5	—	—	—	Not Occupied	—	—
6	0.35	GY	5697	Child Lockout Indicator Control	II	—
7	0.5	BN	7634	Integrated Trailer Brake Controller Redundant Manual Apply Signal	II	—
8	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	II	—
9	0.35	VT	185	Low Washer Fluid Indicator Control	II	—
10	0.5	RD/WH	961	—	II	—
11	0.5	GN/GY	963	—	II	—
12	0.5	YE	7635	Integrated Trailer Brake Controller Manual Apply Signal	II	—
13	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	II	—
14	0.5	BK/BN	7631	Integrated Trailer Brake Controller Switch Low Reference	II	—
15	0.5	BU/RD	7632	Integrated Trailer Brake Controller Switch 5V Reference	II	—
16	—	—	—	Not Occupied	—	—
17	0.5	YE/WH	962	—	II	—

X61A Junction Block - Instrument Panel X5 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
18	0.5	VT/BN	300	Run Ignition 3 Voltage	I	—
19	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	II	—
20 - 21	—	—	—	Not Occupied	—	—
22	0.5	BU/VT	1134	Park Brake Switch Signal	II	—
23	0.5	WH/BU	964	—	II	—
24	—	—	—	Not Occupied	—	—
25	0.35	WH/GY	5285	Adjustable Pedal Switch Rearward Signal	II	—
26	0.35	GN/BN	5852	Rear Park Assist LED Disable Signal	II	—
27	0.5	WH/BU	3691	Trailer Brake Apply Signal	II	—
28	0.35	GN/VT	1601	Steering Column Lock Signal	II	—
29	0.35	GN/GY	5286	Adjustable Pedal Switch Forward Signal	II	—
30	0.5	GN/BK	7633	Integrated Trailer Brake Controller User Gain Signal	II	—
31	—	—	—	Not Occupied	—	—
32	0.5	YE/WH	816	Brake Transmission Shift Interlock Solenoid Control	II	—
33	—	—	—	Not Occupied	—	—
34	0.5	WH	6816	Indicator Dimming Control	II	—
35 - 36	—	—	—	Not Occupied	—	—
37	0.35	WH	6816	Indicator Dimming Control	II	—
38	0.35	WH	6816	Indicator Dimming Control	II	—
39	0.5	WH	6816	Indicator Dimming Control	II	—
40 - 44	—	—	—	Not Occupied	—	—
45	0.35	GY/GN	2555	Rear Park Assist Disable Signal	II	—
46 - 50	—	—	—	Not Occupied	—	—

X61A Junction Block - Instrument Panel X6



1665705

Connector Part Information

Harness Type: Trailer Tow
OEM Connector: 12194033
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 280 Metri-Pack Flexlock Series (CR)

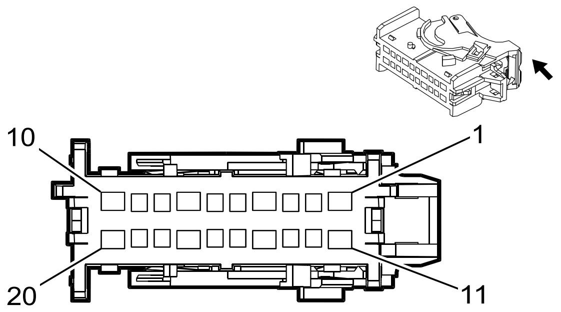
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X61A Junction Block - Instrument Panel X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BK	1050	Ground	I	—
B	0.5	WH/BU	3691	Trailer Brake Apply Signal	I	—
C	2.5	RD/GN	242	Battery Positive Voltage	I	—
D	2.5	BU	47	Trailer Auxiliary Control	I	—

X61A Junction Block - Instrument Panel X7 (5W4/9C1)



3240104

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15547108
Service Connector: 13597271
Description: 20-Way F 1.5, 2.8 OCS Series (NA)

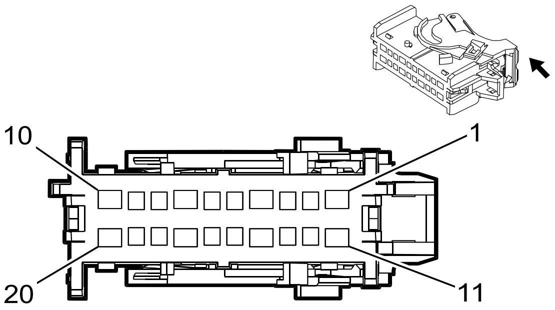
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X61A Junction Block - Instrument Panel X7 (5W4/9C1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	RD/GN	968	—	I	—
2 - 3	—	—	—	Not Occupied	—	—
4	2.5	YE/BN	967	—	I	—
5 - 7	—	—	—	Not Occupied	—	—
8	0.5	VT/YE	43	Accessory Ignition Voltage	III	—
9	—	—	—	Not Occupied	—	—
10	0.5	BK	1050	Ground	II	—
11	0.5	VT/WH	1939	Run/Crank Ignition 1 Voltage	II	—
12 - 13	—	—	—	Not Occupied	—	—
14	2.5	GY/BK	966	—	I	—
15 - 18	—	—	—	Not Occupied	—	—
19	0.5	GN/GY	817	Vehicle Speed Signal	III	—
20	2.5	BU	965	—	I	—

X61A Junction Block - Instrument Panel X8



3240104

Connector Part Information

Harness Type: Brake Clutch Jumper
OEM Connector: 15547106
Service Connector: Service by Harness - See Part Catalog
Description: 20-Way F 1.5, 2.8 OCS Series (BK)

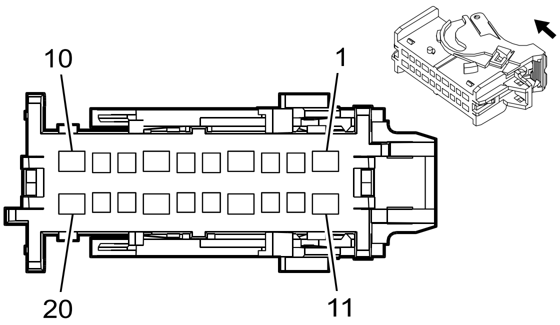
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X61A Junction Block - Instrument Panel X8

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 7	—	—	—	Not Occupied	—	—
8	0.5	WH/GN	526	Stop Lamp Switch Signal	I	—
9	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
10	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
11	—	—	—	Not Occupied	—	—
12	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
13	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
14	0.5	WH/RD	6207	Memory Sensor High Reference	II	—
15	0.5	BU	5952	Adjustable Pedal Position Sensor Brake Signal	I	—
16	1.5	YE	5129	Adjustable Pedal Actuator Rearward Control	I	—
17	0.5	BK/GY	6206	Memory Sensor Low Reference	II	—
18	1.5	GN/VT	5130	Adjustable Pedal Actuator Forward Control	I	—
19	0.5	BK/GN	552	Sensor Low Reference	I	—
20	0.5	GY/RD	598	5V Reference	II	—

X61A Junction Block - Instrument Panel X9



3243003

Connector Part Information

Harness Type: Brake Clutch Jumper
OEM Connector: 15547107
Service Connector: Service by Harness - See Part Catalog
Description: 20-Way F 1.5, 2.8 OCS Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

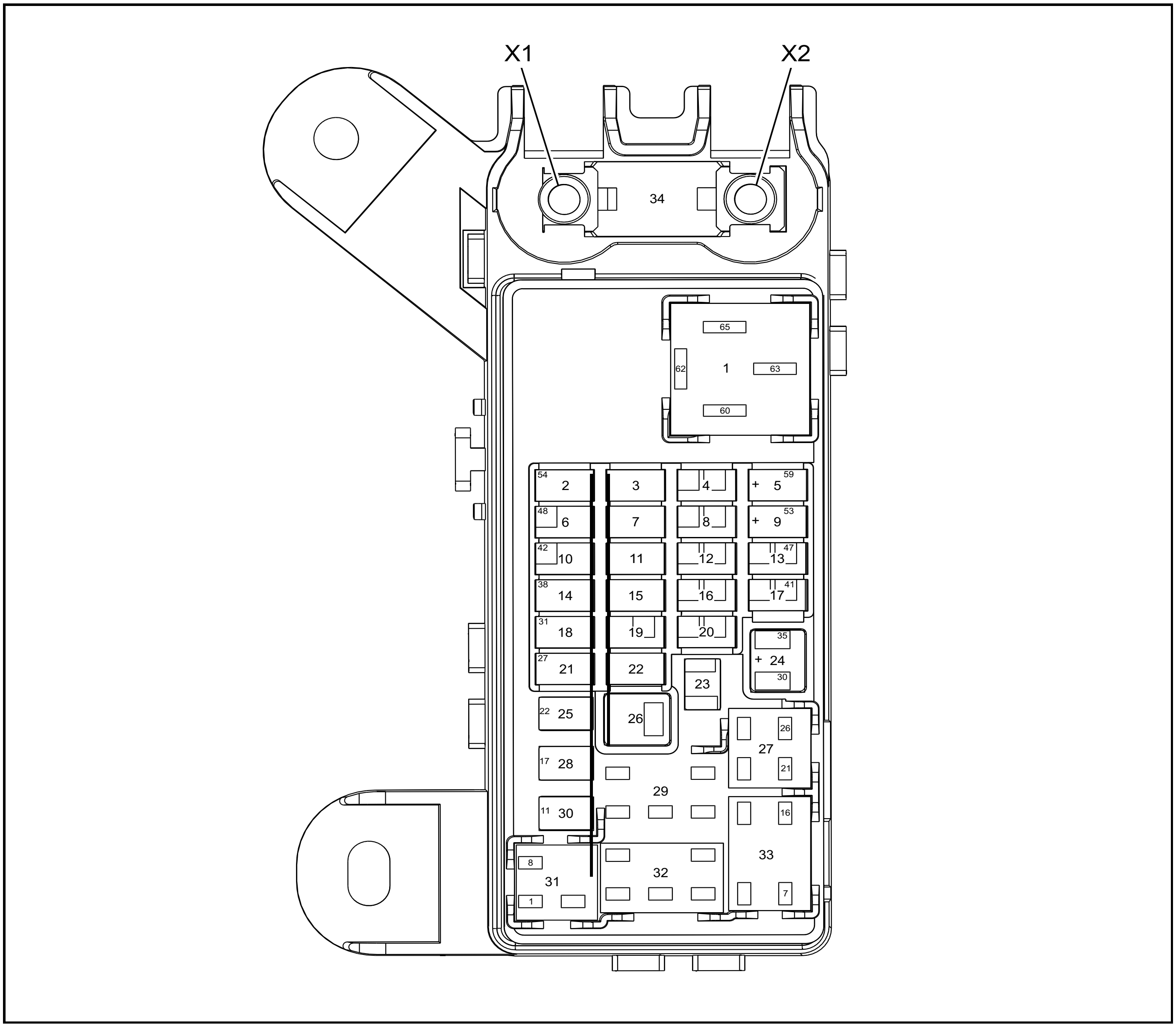
X61A Junction Block - Instrument Panel X9

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	YE/BN	1569	Transfer Case Lock Solenoid Control	II	—
2	0.35	BU/YE	1693	Four Wheel Drive Switch Signal	I	—
3	0.35	GY/RD	6029	Four Wheel Drive Mode Switch 5V Reference	I	—
4	0.35	BN/BK	1566	4 HI Indicator Control	II	—
5	0.35	VT/WH	1565	4 LO Indicator Control	I	—
6	0.35	VT/GN	1739	Run/Crank Ignition 1 Voltage	I	—
7	0.35	VT/YE	5985	Accessory Wakeup Serial Data	II	—
8	0.35	GN/BK	1563	2 HI Indicator Control	I	—
9	0.35	GY/GN	1561	AWD Indicator Control	I	—
10	0.5	GY/BK	1570	Front Axle Actuator Control	II	—
11	3	RD/GY	1342	Battery Positive Voltage	II	—
12	0.35	BN	1560	Neutral Indicator Control	I	—
13	0.35	VT	7476	Incremental Encoder Sensor Low Reference	I	—
14	3	BK	550	Ground	II	—
15	0.35	BU/GY	7473	Incremental Encoder Impulse Signal	I	—
16	0.35	YE	7474	Incremental Encoder Direction Signal	I	—
17	4	YE/VT	1553	Transfer Case Motor Counter Clockwise Control	II	—
18	0.35	WH/GN	7475	Incremental Encoder Sensor 8V Reference	I	—
19	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator Control	I	—

X61A Junction Block - Instrument Panel X9 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
20	4	YE/GY	1552	Transfer Case Motor Clockwise Control	II	—

X53A Fuse Block - Rear Body Top View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3714400

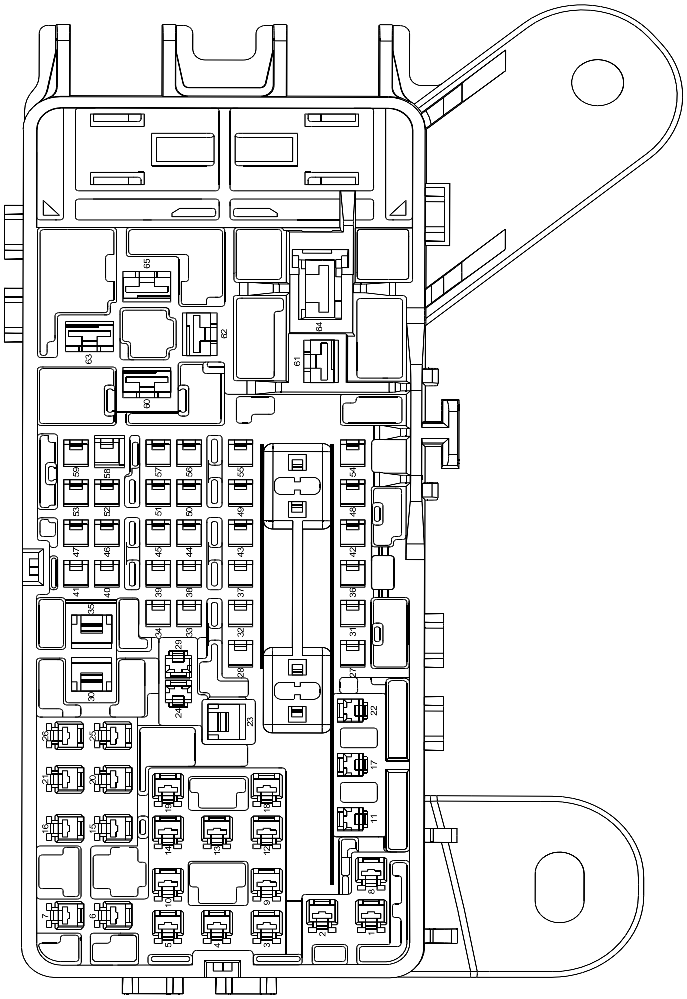
X53A Fuse Block - Rear Body Usage

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
2	-	F2RA	15A	• K29R Seat Heating Control Module - Rear (KA6)
3	-	F3RA	15A	• K29R Seat Heating Control Module - Rear (KA6)
4	-	F4RA	15A	• E17D Outside Rearview Mirror Glass - Driver (DL3 or DL8 or DR4) • E17P Outside Rearview Mirror Glass - Passenger (DL3 or DL8 or DR4)
5	-	F5RA	15A	• Not Used

X53A Fuse Block - Rear Body Usage (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
6	-	F6RA	-	• Not Used
7	-	F7RA	10A	• KR95A Liftgate Unlatch Relay (TB4)
8	-	F8RA	-	• Not Used
9	-	F9RA	10A	• B159L Glass Breakage Sensor - Left (UTV)
10	-	F10RA	-	• Not Used
11	-	F11RA	10A	• KR162 Liftgate Window Unlatch Relay
12	-	F12RA	-	• Not Used
13	-	F13RA	-	• Not Used
14	-	F14RA	10A	• K39 Liftgate Control Module (TB5)
15	-	F15RA	20A	• M45 Rear Wiper Motor
16	-	F16RA	-	• Not Used
17	-	F17RA	-	• Not Used
18	-	F18RA	30A	• K8A Blower Motor Control Module - Auxiliary
19	-	F19RA	-	• Not Used
20	-	F20RA	-	• Not Used
21	-	F21RA	20A	• Folding Seat Motor - Left 2nd Row (ATN or ATT) • Folding Seat Motor - Right 2nd Row (ATN or ATT)
22	-	F22RA	10A	• KR57 Rear Fog Lamp Relay (T79)
23	-	F23RA	-	• Not Used
24	-	F24RA	30A	• F9RA (UTV) • E18 Rear Defogger Grid
25	-	F25RA	30A	• K39 Liftgate Control Module (TB5)
26	-	F26RA	-	• Not Used
28	-	F28RA	30A	• K169 Folding Seat Control Module - 3rd Row (AS8)
30	-	F30RA	20A	• X80RL Accessory Power Receptacle - Rear Compartment Left • X80RR Accessory Power Receptacle - Rear Compartment Right
Relays				
1	—	KR5 Rear Defogger Relay	—	• F5RA • F9RA • F24RA
27	—	KR95A Liftgate Unlatch Relay	—	• M30 Liftgate Latch (TB4)
29	—	—	—	• Not Used
31	—	KR4B Outside Rearview Mirror Heater Relay	—	• E17D Outside Rearview Mirror Glass — Driver (DL3, DL8 or DR4) • E17P Outside Rearview Mirror Glass — Passenger (DL3, DL8 or DR4) • F4RA
32	—	KR57 Rear Fog Lamp Relay	—	• E29LR Fog Lamp — Left Rear (T79) • E29RR Fog Lamp — Right Rear (T79)
33	—	KR162 Liftgate Window Unlatch Relay	—	• M33 Liftgate Window Latch Assembly

X53A Fuse Block - Rear Body (Wire Entry)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3714429

Connector Part Information

Harness Type: Body

OEM Connector: 13940427

Service Connector: Not Available

Description: Wire Entry Fuse Block (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	13575719	J-35616-4A (PU)	J-38125-553	12110844	4	C	A
III	13579978	J-35616-43 (RD)	J-38125-553	15410292	23	G/F	G

Terminal Part Information (cont'd)

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
IV	13579923	J-35616-4A (PU)	J-38125-553	12110842	4	A	B
V	13579978	J-35616-43 (RD)	J-38125-553	15410292	23	G/F	G/F
VI	13575719	J-35616-4A (PU)	J-38125-553	12110844	4	E	A
VII	13579958	J-35616-4A (PU)	J-38125-11A	15324340	19	F	G
VIII	13575288	J-35616-42 (RD)	J-38125-11A	7116-4120-02	9	E	A
IX	-	J-35616-42 (RD)	J-38125-11A	7116-4122-02	10	D	G
X	-	J-35616-44 (YE)	J-38125-558	12110127	19	Not Available	Not Available

X53A Fuse Block - Rear Body (Wire Entry)

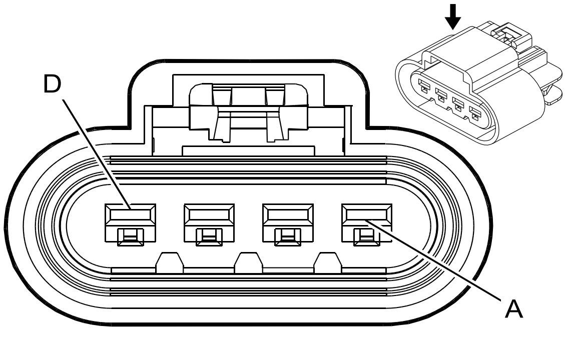
Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/VT	340	Battery Positive Voltage	I	DL3, DL8 or DR4
2	0.5	BN/VT	193	Rear Defog Relay Control	I	DL3, DL8 or DR4
3	0.35	RD/VT	340	Battery Positive Voltage	I	T79
4	-	-	-	Not Occupied	-	-
5	0.35	GY/YE	317	Fog Lamp Relay Coil Control	I	T79
6	0.35	GY/YE	6188	Lift Glass/Trunk Motor Release Control	I	-
7	0.5	RD/YE	4340	Battery Positive Voltage	I	-
8	0.5	BK	1150	Ground	I	DL3, DL8 or DR4
9	0.5	BK	1150	Ground	I	T79
10	0.5	YE/GY	122	Rear Fog Lamp Control	I	T79
11	1.5 1.5	RD/D-BU RD/D-BU	6040 6040	Battery Positive Voltage	I	-
12-14	-	-	-	Not Occupied	-	-
15	0.5	D-BU/YE	6795	Lift Glass/Trunk Motor Release Control 2	I	-
16	0.5	BK	1150	Ground	I	-
17	2.5	RD/D-BU	1240	Battery Positive Voltage	I	AS8
18-19	-	-	-	Not Occupied	-	-
20	0.5	GN/BN	5706	Endgate Latch Relay Control	I	TB4
21	0.5	RD/BN	4240	Battery Positive Voltage	I	TB4
22	3	RD/GY	7040	Battery Positive Voltage	I	TB5
23-24	-	-	-	Not Occupied	-	-
25	0.5	BU/WH	6128	Rear Closure Unlatch Motor Unlatch Control	I	TB4
26	0.35	YE	5704	Endgate Latch Relay Coil Control	I	TB4
27	0.75	RD/D-BU	1240	Battery Positive Voltage	II	ATN or ATT
28	0.5	RD/VT	340	Battery Positive Voltage	I	T79
29	-	-	-	Not Occupied	-	-
30	4	BN/VT	938		III	-
31	2.5	RD/GY	1740	Battery Positive Voltage	IV	-
32-34	-	-	-	Not Occupied	-	-

X53A Fuse Block - Rear Body (Wire Entry) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
35	2.5	BN/VT	293	Rear Defog Element Supply Voltage	V	-
36	0.5	RD/D-BU	840	Battery Positive Voltage	VI	TB5
37	0.75	RD/YE	3040	Battery Positive Voltage	II	-
38-42	-	-	-	Not Occupied	-	-
43	0.5	RD/YE	4340	Battery Positive Voltage	VI	-
44-48	-	-	-	Not Occupied	-	-
49	0.5	RD/BN	4240	Battery Positive Voltage	I	TB4
50-51	-	-	-	Not Occupied	-	-
52	2.5	BN/VT	293	Rear Defog Element Supply Voltage	IV	UTT or UTV
53	0.5	BN/VT	293	Rear Defog Element Supply Voltage	I	UTV
54	0.75	RD/L-GN	5140	Battery Positive Voltage	II	KA6
55	0.75	RD/L-GN	6140	Battery Positive Voltage	II	KA6
56	0.5	RD/VT	340	Battery Positive Voltage	I	DL3, DL8 or DR4
57	2.5	BN/YE	2267	Mirror Heating Element Supply Voltage	VI	DL3, DL8 or DR4
58	4	BN/VT	938		VII	-
59	-	-	-	Not Occupied	-	-
60	0.5 0.5	BK BK	1150 1150	Ground	VIII	-
61	4	RD/D-BU	42	Battery Positive Voltage	IX	-
62	4	BN/VT	938		IX	-
63	4	RD/D-BU	42	Battery Positive Voltage	IX	-
64	6	RD/WH	942		X	-
65	0.5 0.5	BN/VT BN/VT	193 193	Rear Defog Relay Control	VIII	- DL3, DL8 or DR4

Component Connector End Views

A6D Fuel Pump and Level Sensor Assembly - Secondary



Connector Part Information

Harness Type: Chassis
OEM Connector: 13521459
Service Connector: 19300465
Description: 4-Way F 280 GT Series, Sealed (BK)

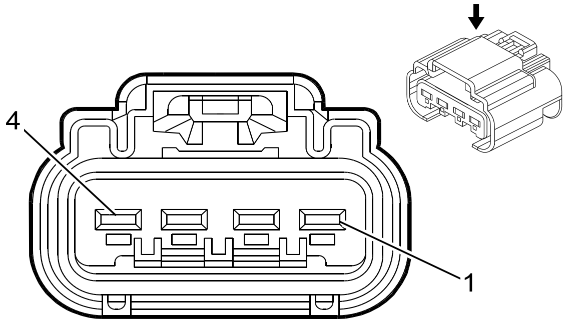
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A6D Fuel Pump and Level Sensor Assembly - Secondary

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	4	BK	2150	Ground	I	—
B	0.5	BK/GN	6281	Fuel Level Sensor Low Reference	I	—
C	0.5	BU/WH	1937	Secondary Fuel Level Sensor Signal	I	—
D	2.5	GY	120	Fuel Pump Control	I	—

A7 Fuel Pump and Level Sensor Assembly (L83/L86)



1962075

Connector Part Information

Harness Type: Chassis
OEM Connector: 13527865
Service Connector: 13587174
Description: 4-Way F 280 GT Series, Sealed (NA)

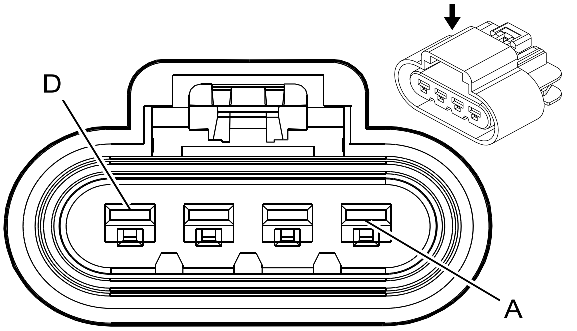
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A7 Fuel Pump and Level Sensor Assembly (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	GY	120	Fuel Pump Control	I	—
2	2.5	BK/GN	1580	Fuel Pump Low Reference	I	—
3	0.5	BK/GN	6281	Fuel Level Sensor Low Reference	I	—
4	0.5	BU/VT	1589	Primary Fuel Level Sensor Signal	I	—

A7 Fuel Pump and Level Sensor Assembly (L96)



684908

Connector Part Information

Harness Type: Chassis
OEM Connector: 13521459
Service Connector: 19300465
Description: 4-Way F 280 GT Series, Sealed (BK)

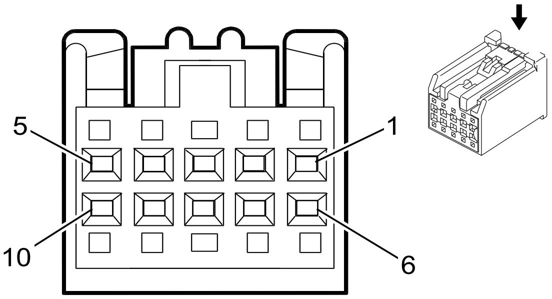
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A7 Fuel Pump and Level Sensor Assembly (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	BK	2150	Ground	I	—
B	0.5	BK/GN	6281	Fuel Level Sensor Low Reference	I	—
C	0.5	BU/VT	1589	Primary Fuel Level Sensor Signal	I	—
D	1.5	GY	120	Fuel Pump Control	I	—

A10 Inside Rearview Mirror X1



2180211

Connector Part Information

Harness Type: Headliner
OEM Connector: 13815336
Service Connector: 13577390
Description: 10-Way F 0.64 Kaizen Series (BK)

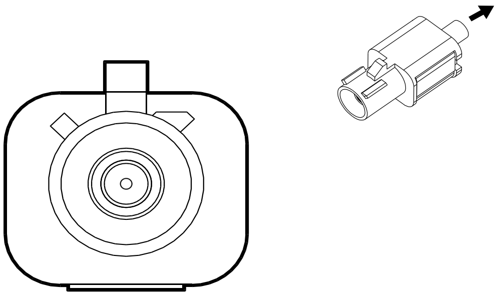
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

A10 Inside Rearview Mirror X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/RD	24	Backup Lamp Control	I	—
2	0.35	VT/GN	1739	Run/Crank Ignition 1 Voltage	I	—
3	0.35	GN/BU	2514	Keypad Signal	I	—
4	0.35	GN/BK	2515	Keypad Control	I	—
5	0.5	BK	1050	Ground	I	—
6	0.35	YE/BN	2516	Keypad Green LED Control	I	—
7	0.35	BN/WH	2517	Keypad Red LED Control	I	—
8	0.35	BK/YE	1691	Automatic Day/Night Mirror Low Reference	I	—
9	0.35	YE/WH	1690	Automatic Day/Night Mirror Signal	I	—
10	—	—	—	Not Occupied	—	—

A10 Inside Rearview Mirror X2 (DRZ)



4496217

Connector Part Information

Harness Type: Headliner Coax
OEM Connector: 13594293
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way M Coax Type (BK)

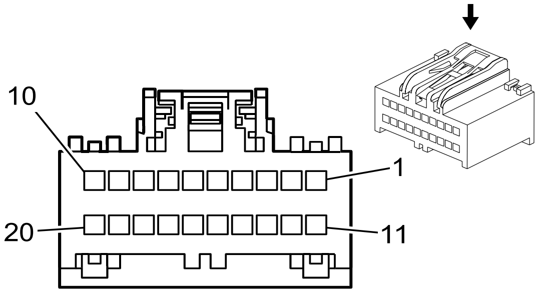
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A10 Inside Rearview Mirror X2 (DRZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(ISRVM) Camera Video Signal	I	—

A11 Radio X1



1715228

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15491304
Service Connector: 15126710
Description: 20-Way F USCAR 64 Series (GY)

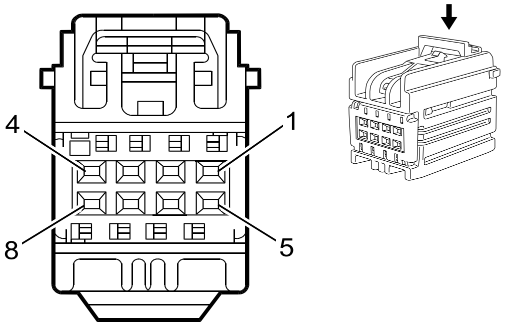
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

A11 Radio X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 3	—	—	—	Not Occupied	—	—
4	0.35	WH/BU	6973	Camera Signal 2	I	—
5	0.35	GY/YE	6972	Camera Signal 2 +	I	—
6	0.5	Bare	5842	Auxiliary Audio Screen 2	I	—
7	0.35	BU	2060	Auxiliary Detection Signal	I	—
8	0.35	VT	5843	Auxiliary Audio Common Signal	I	—
9	0.35	GY	5839	Left Auxiliary Audio Signal 2	I	—
10	0.35	GN	5841	Right Auxiliary Audio Signal 2	I	—
11 - 12	—	—	—	Not Occupied	—	—
13	0.5	GN/BU	7532	Local Interconnect Network Serial Data Bus 10	I	—
14	0.5	GY/GN	1102	Low Speed GMLAN Serial Data #2	I	—
15 - 18	—	—	—	Not Occupied	—	—
19	0.35	BK/YE	659	Cellular Telephone Voice Low Reference	I	—
20	0.35	YE	658	Cellular Telephone Voice Signal	I	—

A11 Radio X2



1664573

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13551679
Service Connector: 19115653
Description: 8-Way F YESC Kaizen Series (L-GY)

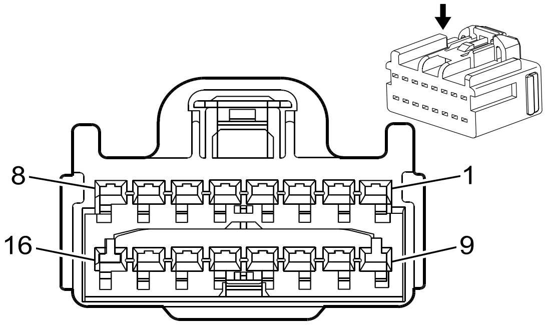
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A11 Radio X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/GN	3997	MOST Serial Data (-)	I	—
2	0.5	GY/VT	3998	MOST Serial Data (+)	I	—
3	0.5	WH/GN	3997	MOST Serial Data (-)	I	—
4	0.5	GY/VT	3998	MOST Serial Data (+)	I	—
5 - 6	—	—	—	Not Occupied	—	—
7	0.35	WH/VT	3999	MOST Control	I	—
8	—	—	—	Not Occupied	—	—

A11 Radio X3



1592558

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 10847013
Service Connector: 89047090
Description: 16-Way F 1.5 Kaizen Series (GN)

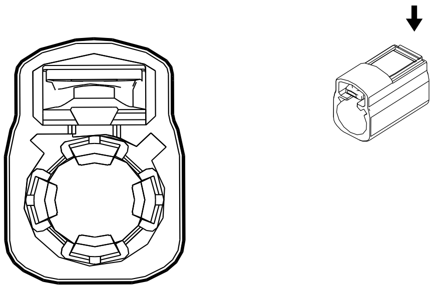
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575708	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	13578891	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

A11 Radio X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BU	201	Left Front Speaker Control (+) 1	I	—
2	0.75	YE	200	Right Front Speaker Control (+) 1	I	—
3	0.5	GN	199	Left Rear Speaker Control (+)	II	—
4	0.5	WH	46	Right Rear Speaker Control (+)	II	—
5 - 7	—	—	—	Not Occupied	—	—
8	0.75	RD/VT	340	Battery Positive Voltage	I	—
9	0.75	BN/BU	118	Left Front Speaker Signal (-) 1	I	—
10	0.75	YE/BK	117	Right Front Speaker Signal (-) 1	I	—
11	0.5	GN/BK	116	Left Rear Speaker Signal (-)	II	—
12	0.5	BU/BK	115	Right Rear Speaker Signal (-)	II	—
13 - 15	—	—	—	Not Occupied	—	—
16	0.75	BK	2550	Ground	I	—

A11 Radio X4



Connector Part Information

Harness Type: Antena COAX
OEM Connector: 12784257
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

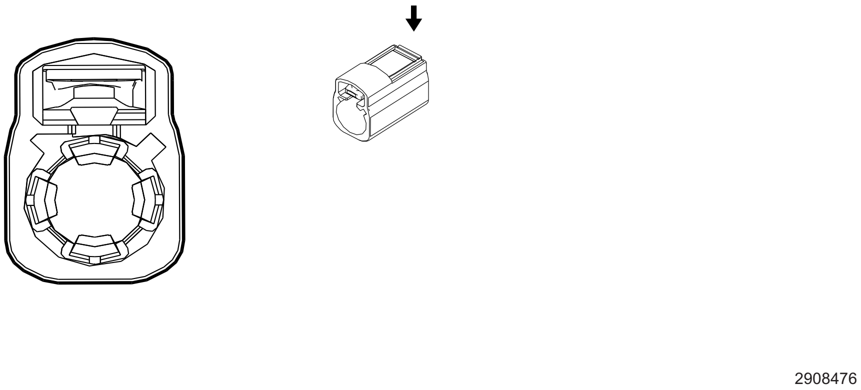
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A11 Radio X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(AM/FM) Antenna RF Signal	I	—

A11 Radio X6



Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 12784257
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

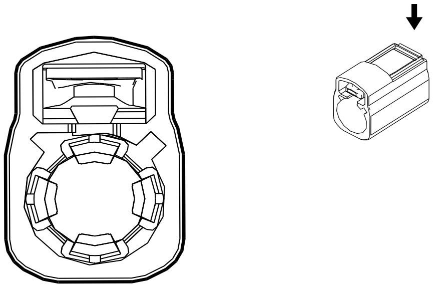
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A11 Radio X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	I	—

A11 Radio X7



2908476

Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 12784257
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

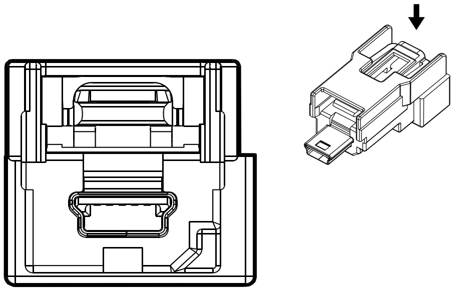
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A11 Radio X7

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

A11 Radio X8



3530733

Connector Part Information

Harness Type: Instrument Panel USB
OEM Connector: 13893436
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (BK)

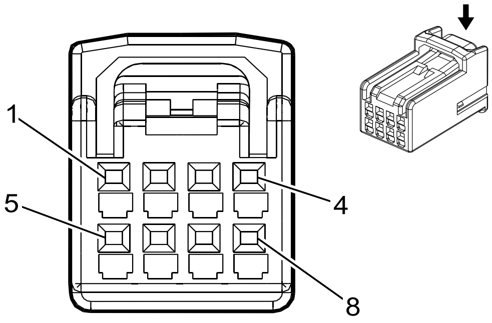
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A11 Radio X8

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	USB	—	USB Serial Data	I	—

A14D Seat Lumbar Support Pump - Driver



3635890

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: MX34E08SF1
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 0.64 Series (GY)

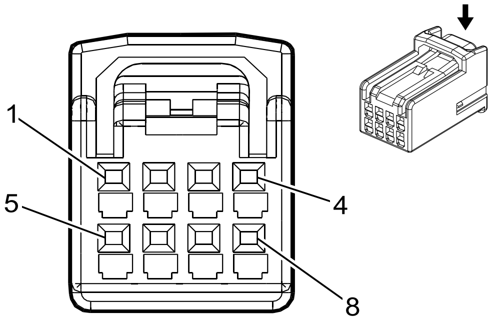
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A14D Seat Lumbar Support Pump - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE/BN	768	Driver Power Seat Lumbar Motor Up Control	I	—
2	0.75	VT	610	Driver Power Seat Lumbar Motor Rearward Control	I	—
3	0.75	YE/BU	767	Driver Power Seat Lumbar Motor Down Control	I	—
4	—	—	—	Not Occupied	—	—
5	0.75	BU	611	Driver Power Seat Lumbar Motor Forward Control	I	—
6 - 8	—	—	—	Not Occupied	—	—

A14P Seat Lumbar Support Pump - Passenger



3635890

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: MX34E08SF1
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 0.64 Series (GY)

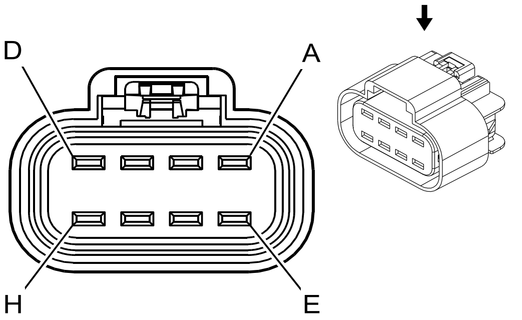
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A14P Seat Lumbar Support Pump - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/YE	793	Passenger Power Seat Lumbar Motor Up Control	I	—
2	0.75	VT	210	Passenger Power Seat Lumbar Motor Rearward Control	I	—
3	0.75	BU/YE	792	Passenger Power Seat Lumbar Motor Down Control	I	—
4	—	—	—	Not Occupied	—	—
5	0.75	BU	211	Passenger Power Seat Lumbar Motor Forward Control	I	—
6 - 8	—	—	—	Not Occupied	—	—

A16 Transfer Case Motor



646372

Connector Part Information

Harness Type: Engine
OEM Connector: 13669205
Service Connector: 19300464
Description: 8-Way F 280 GT Series, Sealed (BK)

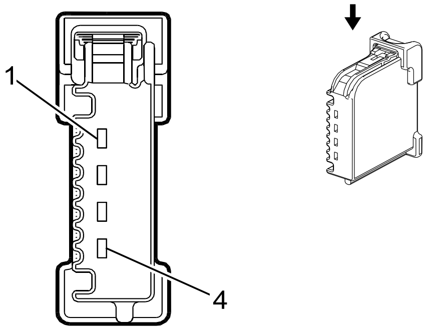
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A16 Transfer Case Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	3	OG	1552	Transfer Case Motor Clockwise Control	I	—
B	3	RD/GY	1342	Battery Positive Voltage	I	—
C	2.5	YE/BN	1569	Transfer Case Lock Solenoid Control	I	—
D	3	YE/VT	1553	Transfer Case Motor Counter Clockwise Control	I	—
E	0.5	BU/GY	7473	Incremental Encoder Impulse Signal	I	—
F	0.5	YE	7474	Incremental Encoder Direction Signal	I	—
G	0.5	WH/GN	7475	Incremental Encoder Sensor 8V Reference	I	—
H	0.5	VT	7476	Incremental Encoder Sensor Low Reference	I	—

A23C Liftgate Latch Assembly (TB4)



2408185

Connector Part Information

Harness Type: Liftgate
OEM Connector: 13607335
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 1.5 Series (BK)

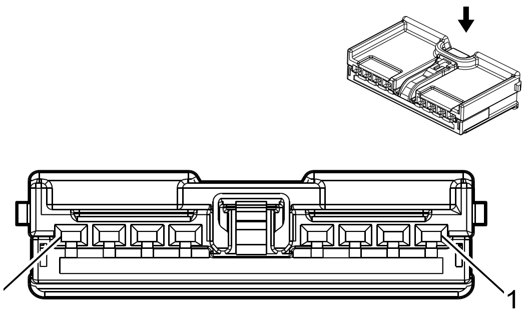
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A23C Liftgate Latch Assembly (TB4)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1450	Ground	I	—
2	0.35	VT/GY	1303	Lift Gate Ajar Switch Signal 1	I	—
3	0.5	BU/WH	6128	Rear Closure Unlatch Motor Unlatch Control	I	—
4	—	—	—	Not Occupied	—	—

A23C Liftgate Latch Assembly (TB5)



2789730

Connector Part Information

Harness Type: Liftgate
OEM Connector: 13827492
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 1.5 Series (BK)

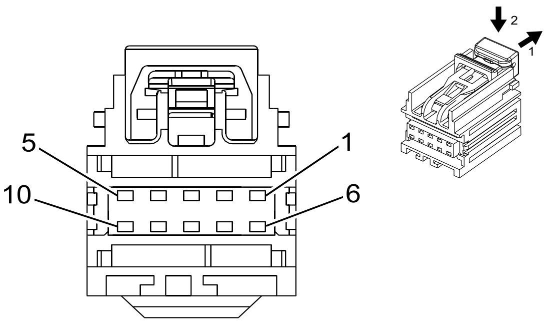
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A23C Liftgate Latch Assembly (TB5)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	3988	Detent Lift Gate Signal	I	—
2	0.35	VT/GN	3987	Cinch Latch Lift Gate Signal	I	—
3	0.35	GN/WH	6127	Lift Gate Unlatch Switch Signal	I	—
4	0.5	GY	3986	Cinch Latch Lift Gate Stall Motor Release Signal	I	—
5	0.35	BU/BK	6000	Lift Gate Ajar Switch Signal 2	I	—
6	0.5	BK/VT	5801	Lift Gate Object Sensor Low Reference	I	—
7	1	BN	5790	Lift Gate Cinch Latch Motor Open Control	I	—
8	1	BU/GY	5791	Lift Gate Cinch Latch Motor Close Control	I	—

A23D Door Latch Assembly - Driver



4622549

Connector Part Information

Harness Type: Driver Door
OEM Connector: 33320811
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 YESC Kaizen Series (GN)

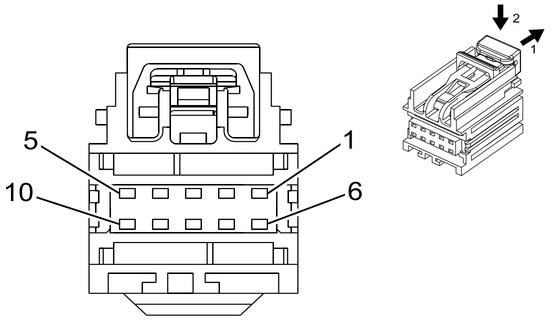
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A23D Door Latch Assembly - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	745	Left Front Door Ajar Switch Signal	I	—
2	0.35	WH/YE	3574	Driver Door Open Switch Signal	I	—
3	0.5	BK	1150	Ground	I	—
4	0.35	WH/VT	3270	Driver Door Lock Motor Status Signal	I	—
5	0.35	BU/VT	1124	Door Lock Key Switch Unlock Signal	I	—
6	0.75	BN	5910	Door Double Lock Actuator Lock Control	I	—
7	0.75	GY	5911	Door Lock Actuator Lock Control 2	I	—
8	0.75	BN/BK	294	Door Lock Actuator Unlock Control	I	—
9 - 10	—	—	—	Not Occupied	—	—

A23LR Door Latch Assembly - Left Rear



4622549

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 33320811
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 YESC Kaizen Series (GN)

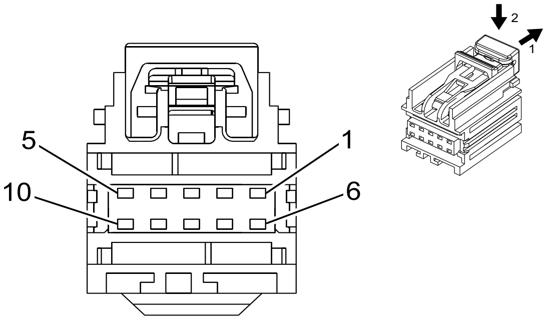
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A23LR Door Latch Assembly - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/WH	747	Left Rear Door Ajar Switch Signal	I	—
2	0.35	BN/WH	3269	Child Security Lock Motor Status Signal Left Rear	I	—
3	0.5	BK	1150	Ground	I	—
4 - 5	—	—	—	Not Occupied	—	—
6	0.75	BN	5910	Door Double Lock Actuator Lock Control	I	—
7	0.75	GY	295	Door Lock Actuator Lock Control	I	—
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	—
9	0.75	WH/BU	3266	Child Security Lock Motor Lock Control	I	—
10	—	—	—	Not Occupied	—	—

A23P Door Latch Assembly - Passenger



4622549

Connector Part Information

Harness Type: Passenger Door
OEM Connector: 33320811
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 YESC Kaizen Series (GN)

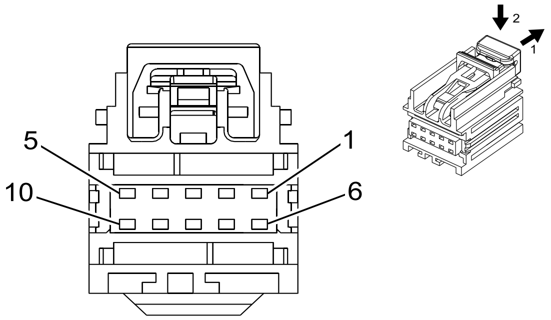
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A23P Door Latch Assembly - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.5	BK	1250	Ground	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	GY	746	Right Front Door Ajar Switch Signal	I	—
6 - 7	—	—	—	Not Occupied	—	—
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	—
9	0.75	GY	295	Door Lock Actuator Lock Control	I	—
10	0.75	BN	5910	Door Double Lock Actuator Lock Control	I	—

A23RR Door Latch Assembly - Right Rear



4622549

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 33320811
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 YESC Kaizen Series (GN)

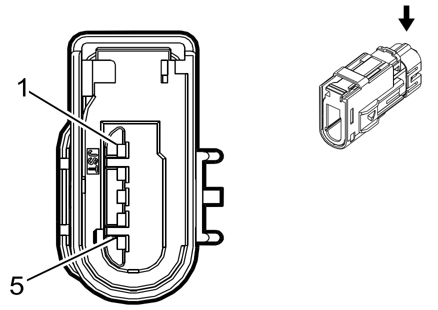
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A23RR Door Latch Assembly - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.5	BK	1250	Ground	I	—
4	0.35	GY/BK	3268	Child Security Lock Motor Status Signal Right Rear	I	—
5	0.35	GY/WH	748	Right Rear Door Ajar Switch Signal	I	—
6	—	—	—	Not Occupied	—	—
7	0.75	WH/BU	3266	Child Security Lock Motor Lock Control	I	—
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	—
9	0.75	GY	295	Door Lock Actuator Lock Control	I	—
10	0.75	BN	5910	Door Double Lock Actuator Lock Control	I	—

A24D Door Handle Assembly - Driver Exterior (Z75)



3277922

Connector Part Information

Harness Type: Driver Door
OEM Connector: 13934096
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way M 1.2 Series, Sealed (L-GY)

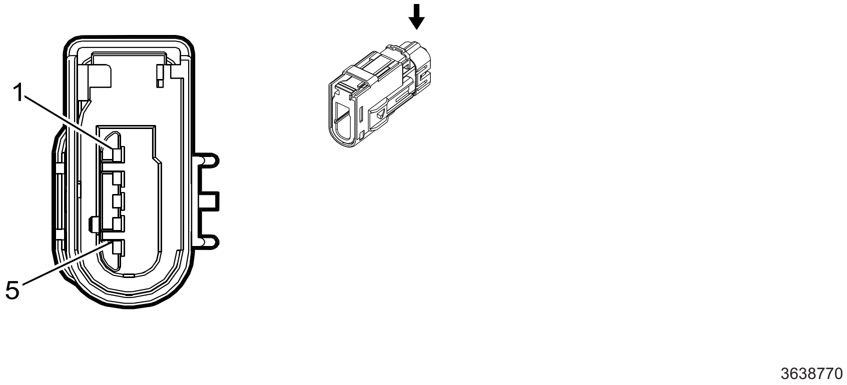
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A24D Door Handle Assembly - Driver Exterior (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/WH	3570	Driver Door Handle Switch Signal	I	—
2	0.35	VT	3560	Passive Entry Driver Door Antenna Signal Hi	I	—
3	0.5	GY/WH	5996	Driver Outside Rear View Mirror Puddle Lamp Control	I	—
4	0.35	VT/GY	3561	Passive Entry Driver Door Antenna Signal Lo	I	—
5	0.5	BK	1150	Ground	I	—

A24D Door Handle Assembly - Driver Exterior (-Z75)



Connector Part Information

Harness Type: Driver Door
OEM Connector: 13915624
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way M 1.2 Series, Sealed (NA)

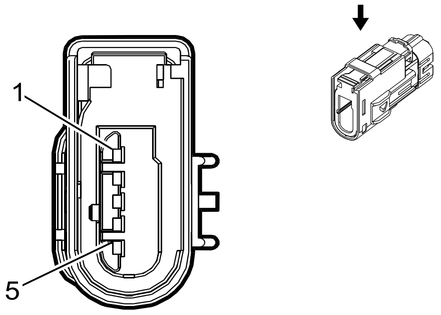
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A24D Door Handle Assembly - Driver Exterior (-Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/WH	3570	Driver Door Handle Switch Signal	I	—
2	0.35	VT	3560	Passive Entry Driver Door Antenna Signal Hi	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	VT/GY	3561	Passive Entry Driver Door Antenna Signal Lo	I	—
5	0.5	BK	1150	Ground	I	—

A24LR Door Handle Assembly - Left Rear Exterior (X88/Z88)



3638798

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 13915623
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way M 1.2 Series, Sealed (BK)

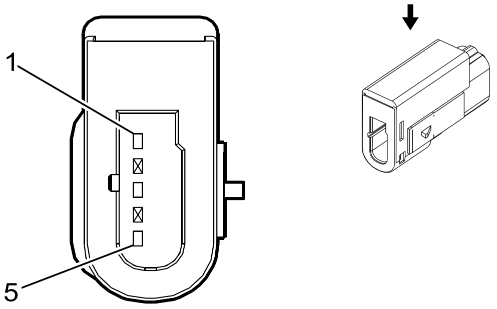
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A24LR Door Handle Assembly - Left Rear Exterior (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN/YE	6157	Left Rear Door Handle Switch Signal	I	—
2 - 4	—	—	—	Not Occupied	—	—
5	0.5	BK	1150	Ground	I	—

A24LR Door Handle Assembly - Left Rear Exterior (Z75)



3277923

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 13939427
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way M 1.2 Series, Sealed (BN)

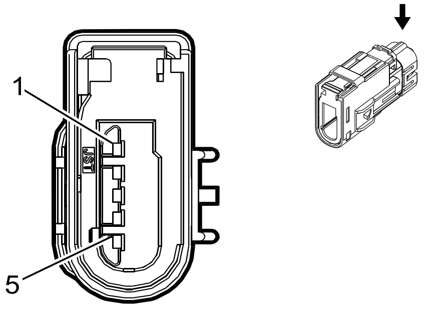
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A24LR Door Handle Assembly - Left Rear Exterior (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN/YE	6157	Left Rear Door Handle Switch Signal	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	GY/GN	5996	Driver Outside Rear View Mirror Puddle Lamp Control	I	—
4	—	—	—	Not Occupied	—	—
5	0.5	BK	1150	Ground	I	—

A24P Door Handle Assembly - Passenger Exterior (X88/Z88)



Connector Part Information

Harness Type: Passenger Door
OEM Connector: 13934096
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way M 1.2 Series, Sealed (L-GY)

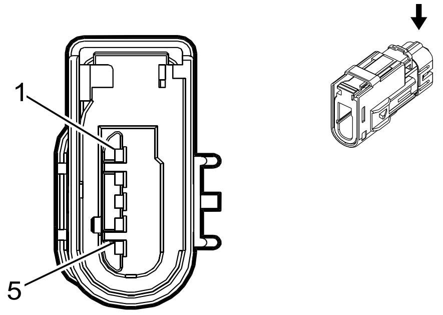
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A24P Door Handle Assembly - Passenger Exterior (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/WH	3571	Passenger Door Handle Switch Signal	I	—
2	0.35	GN/YE	3562	Passive Entry Passenger Door Antenna Signal Hi	I	—
3	0.5	GY/GN	5996	Driver Outside Rear View Mirror Puddle Lamp Control	I	—
4	0.35	GN/BK	3563	Passive Entry Passenger Door Antenna Signal Lo	I	—
5	0.5	BK	1250	Ground	I	—

A24P Door Handle Assembly - Passenger Exterior (Z75)



3638770

Connector Part Information

Harness Type: Passenger Door
OEM Connector: 13915624
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way M 1.2 Series, Sealed (NA)

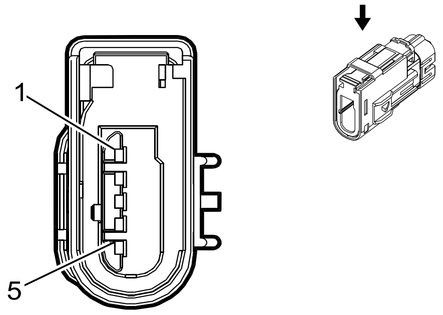
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A24P Door Handle Assembly - Passenger Exterior (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/WH	3571	Passenger Door Handle Switch Signal	I	—
2	0.35	GN/YE	3562	Passive Entry Passenger Door Antenna Signal Hi	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	GN/BK	3563	Passive Entry Passenger Door Antenna Signal Lo	I	—
5	0.5	BK	1250	Ground	I	—

A24RR Door Handle Assembly - Right Rear Exterior (X88/Z88)



3638798

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 13915623
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way M 1.2 Series, Sealed (BK)

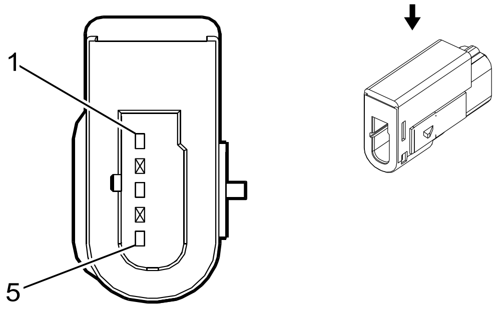
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A24RR Door Handle Assembly - Right Rear Exterior (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE/GY	6158	Right Rear Door Handle Switch Signal	I	—
2 - 4	—	—	—	Not Occupied	—	—
5	0.5	BK	1250	Ground	I	—

A24RR Door Handle Assembly - Right Rear Exterior (Z75)



3277923

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 13939427
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way M 1.2 Series, Sealed (BN)

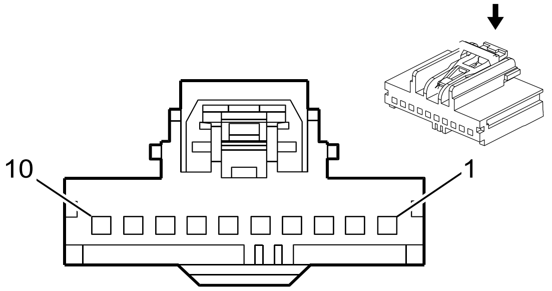
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A24RR Door Handle Assembly - Right Rear Exterior (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE/GY	6158	Right Rear Door Handle Switch Signal	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	GY/GN	5996	Driver Outside Rear View Mirror Puddle Lamp Control	I	—
4	—	—	—	Not Occupied	—	—
5	0.5	BK	1250	Ground	I	—

A33 Media Disc Player X1 (TG5)



1711011

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15490628
Service Connector: 89047355
Description: 10-Way F 0.64 Kaizen Series (BK)

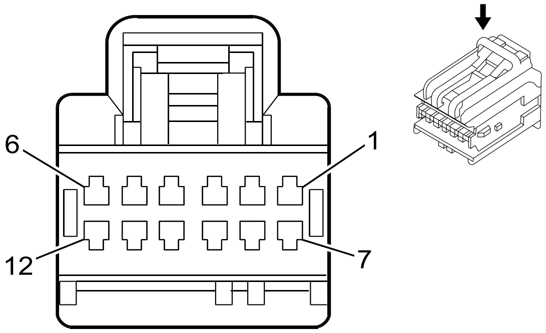
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

A33 Media Disc Player X1 (TG5)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/VT	3999	MOST Control	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	WH/GN	3997	MOST Serial Data (-)	I	—
4	0.5	GY/VT	3998	MOST Serial Data (+)	I	—
5	0.5	WH/GN	3997	MOST Serial Data (-)	I	—
6	0.5	GY/VT	3998	MOST Serial Data (+)	I	—
7	—	—	—	Not Occupied	—	—
8	0.75	BK	2550	Ground	I	—
9	0.35	GY	4016	Remote Media Eject Signal	I	—
10	0.75	RD/VT	340	Battery Positive Voltage	I	—

A33 Media Disc Player X1 (U42)



1664569

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13551678
Service Connector: 89047364
Description: 12-Way F 0.64 Series (BK)

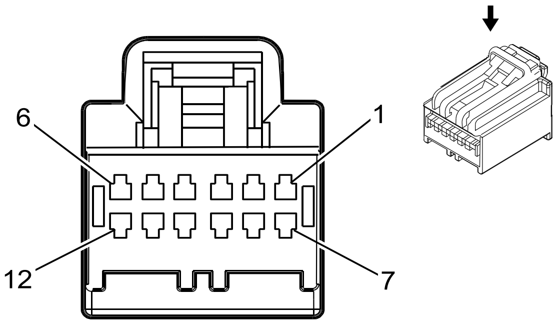
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300631	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	19300631	J-35616-64B (LT BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

A33 Media Disc Player X1 (U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/VT	340	Battery Positive Voltage	II	—
2	0.35	GY	4016	Remote Media Eject Signal	I	—
3	0.5	WH/GN	3997	MOST Serial Data (-)	I	—
4	0.5	GY/VT	3998	MOST Serial Data (+)	I	—
5	0.5	WH/GN	3997	MOST Serial Data (-)	I	—
6	0.5	GY/VT	3998	MOST Serial Data (+)	I	—
7	0.5	BK	2550	Ground	I	—
8	0.35	GN/YE	7066	Entertainment Remote Enable Signal	I	—
9	—	—	—	Not Occupied	—	—
10	0.35	WH/VT	3999	MOST Control	I	—
11	0.5	GY/GN	1102	Low Speed GMLAN Serial Data #2	I	—
12	—	—	—	Not Occupied	—	—

A33 Media Disc Player X2



3556661

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13587624
Service Connector: 19151154
Description: 12-Way F 64 Series, Sealed (GY)

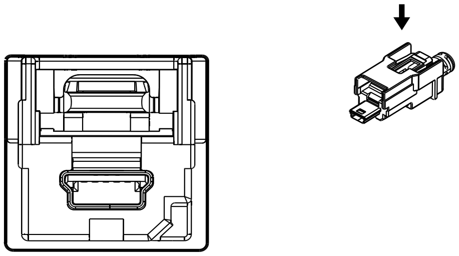
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

A33 Media Disc Player X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/WH	3355	Left Rear Seat Audio Headphone Signal	I	—
2	0.35	BN/GY	3357	Right Rear Seat Audio Headphone Signal	I	—
3	0.35	BU/VT	3356	Rear Seat Audio Headphone Common Signal	I	—
4	0.5	Bare	3354	Rear Seat Audio Headphone Low Reference	I	—
5 - 12	—	—	—	Not Occupied	—	—

A33 Media Disc Player X3 (U42)



2807425

Connector Part Information

Harness Type: Instrument Panel USB
OEM Connector: 13584746
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (BK)

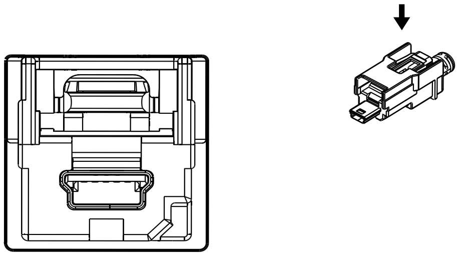
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A33 Media Disc Player X3 (U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	USB	—	USB Serial Data	I	—

A33 Media Disc Player X4 (U42)



Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13584746
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (BK)

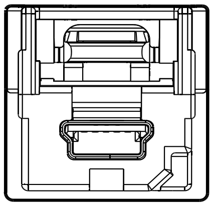
Terminal Part Information

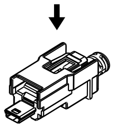
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A33 Media Disc Player X4 (U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

A33 Media Disc Player X5 (U42)





2807425

Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13584746
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (BK)

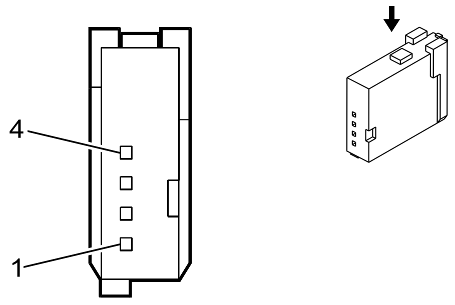
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A33 Media Disc Player X5 (U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

A34 HVAC Controls - Auxiliary (AZ3)



2831061

Connector Part Information

Harness Type: Headliner
OEM Connector: 13820711
Service Connector: 19300398
Description: 4-Way F 0.64 Series (BK)

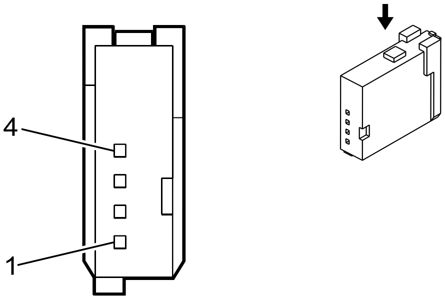
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A34 HVAC Controls - Auxiliary (AZ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/GN	1739	Run/Crank Ignition 1 Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	GN/YE	7531	Local Interconnect Network Serial Data Bus 9	I	—
4	0.5	BK	1050	Ground	I	—

A34 HVAC Controls - Auxiliary (D07/DCK)



2831061

Connector Part Information

Harness Type: Floor Console
OEM Connector: 13820711
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Series (BK)

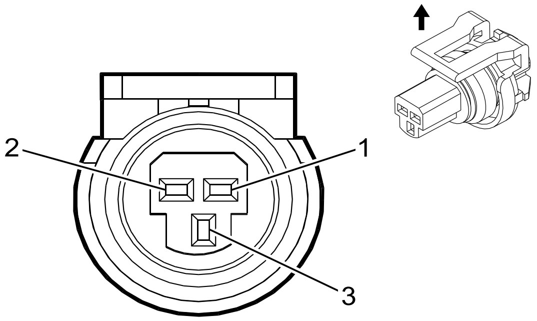
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A34 HVAC Controls - Auxiliary (D07/DCK)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GN	1739	Run/Crank Ignition 1 Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	GN/YE	7531	Local Interconnect Network Serial Data Bus 9	I	—
4	0.35	BK/WH	1851	Signal Ground	I	—

B1 A/C Refrigerant Pressure Sensor



2909191

Connector Part Information

Harness Type: Engine
OEM Connector: 13846842
Service Connector: 19301715
Description: 3-Way F 150 GT Series, Sealed (BK)

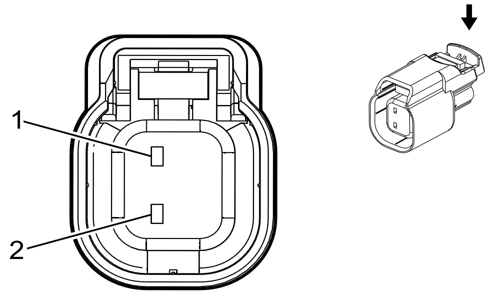
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B1 A/C Refrigerant Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	I	—
2	0.5	BN/RD	2700	A/C Pressure Sensor 5V Reference	I	—
3	0.5	GN	380	A/C Refrigerant Pressure Sensor Signal	I	—

B5LF Wheel Speed Sensor - Left Front



2792100

Connector Part Information

Harness Type: Chassis
OEM Connector: 13828712
Service Connector: 19300543
Description: 2-Way F 1.5 Series, Sealed (BK)

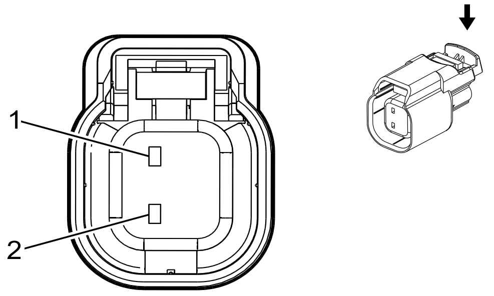
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B5LF Wheel Speed Sensor - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/GN	7064	Wheel Speed Sensor Control Left Front	I	—
2	0.5	GY	830	Wheel Speed Sensor Signal Left Front	I	—

B5LR Wheel Speed Sensor - Left Rear



2792100

Connector Part Information

Harness Type: Chassis
OEM Connector: 13828712
Service Connector: 19300543
Description: 2-Way F 1.5 Series, Sealed (BK)

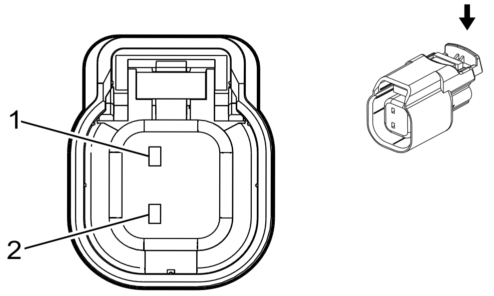
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B5LR Wheel Speed Sensor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BK	7127	Wheel Speed Sensor Control Left Rear	I	—
2	0.5	BU	884	Wheel Speed Sensor Signal Left Rear	I	—

B5RF Wheel Speed Sensor - Right Front



2792100

Connector Part Information

Harness Type: Chassis
OEM Connector: 13828712
Service Connector: 19300543
Description: 2-Way F 1.5 Series, Sealed (BK)

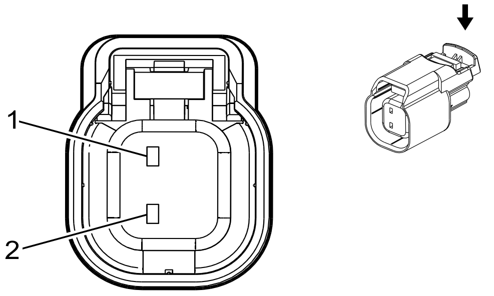
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B5RF Wheel Speed Sensor - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BN	7065	Wheel Speed Sensor Control Right Front	I	—
2	0.5	YE	872	Wheel Speed Sensor Signal Right Front	I	—

B5RR Wheel Speed Sensor - Right Rear



2792100

Connector Part Information

Harness Type: Chassis
OEM Connector: 13828712
Service Connector: 19300543
Description: 2-Way F 1.5 Series, Sealed (BK)

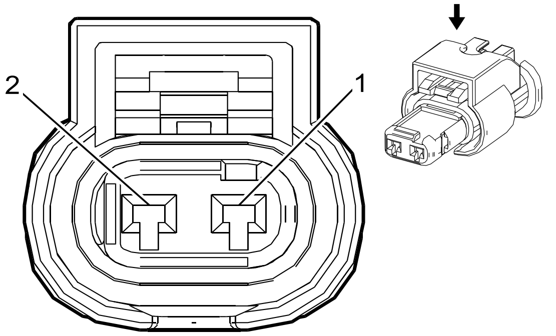
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B5RR Wheel Speed Sensor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/YE	7128	Wheel Speed Sensor Control Right Rear	I	—
2	0.5	VT	882	Wheel Speed Sensor Signal Right Rear	I	—

B9 Ambient Air Temperature Sensor



2474752

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13927761
Service Connector: 19300402
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

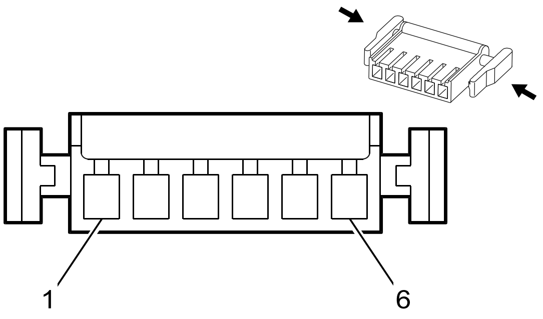
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B9 Ambient Air Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU/GY	636	Outside Ambient Air Temperature Sensor Signal	I	—
2	0.5	BK/BU	61	Outside Ambient Temperature Sensor Low Reference	I	—

B10B Ambient Light/Sunload Sensor



2173602

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13726957
Service Connector: 13576539
Description: 6-Way F 0.64 Micro-Quadlock Series (BK)

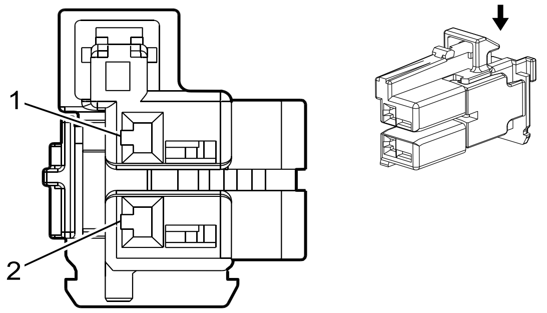
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B10B Ambient Light/Sunload Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	728	Security Indicator Control	I	—
2	0.35	GY	590	Solar Sensor Driver Signal	I	—
3	0.35	BU/WH	734	Inside Air Temperature Sensor Signal	I	—
4	0.35	YE/VT	1783	Twilight Sentinel Delay Signal	I	—
5	0.35	WH/BU	278	Ambient Light Sensor Signal	I	—
6	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	—

B13 Transmission Fluid Temperature Sensor (MF6)



4672650

Connector Part Information

Harness Type: Transmission
OEM Connector: 2289523-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCON Series (BN)

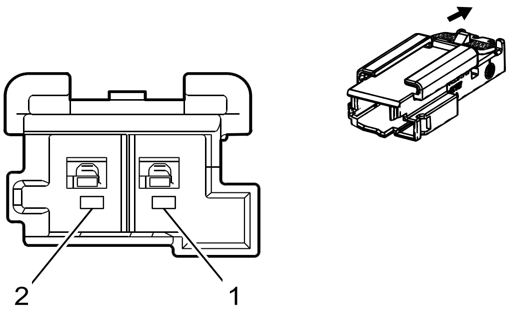
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

B13 Transmission Fluid Temperature Sensor (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/BU	586	Transmission Oil Temperature Sensor Low Reference	I	—
2	0.5	BN/YE	585	Transmission Oil Temperature Sensor Signal	I	—

B14A Transmission Output Shaft Speed Sensor (MF6)



Connector Part Information

Harness Type: Transmission
OEM Connector: 2272160-2
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.2 MCON Series (BU)

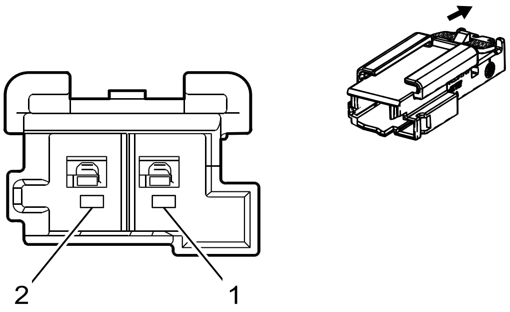
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

B14A Transmission Output Shaft Speed Sensor (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/OG	6358	Output Speed Signal	I	—
2	0.5	GN	4170	Transmission Position Sensor B 9V Reference	I	—

B14C Transmission Input Shaft Speed Sensor (MF6)



4672593

Connector Part Information

Harness Type: Transmission
OEM Connector: 2272160-2
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.2 MCON Series (BU)

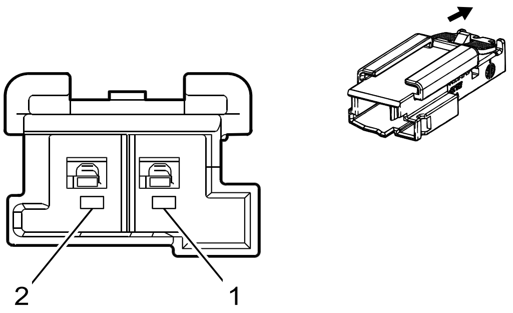
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

B14C Transmission Input Shaft Speed Sensor (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/VT	6353	Input Speed Signal	I	—
2	0.5	BU	4171	Transmission Position Sensor A 9V Reference	I	—

B14DA Transmission Intermediate Shaft Speed Sensor 1 (MF6)



4663490

Connector Part Information

Harness Type: Transmission
OEM Connector: 2272160-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.2 MCON Series (NA)

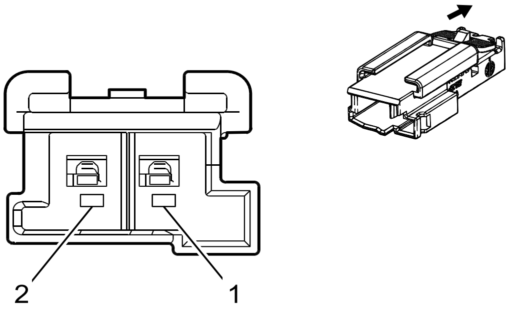
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

B14DA Transmission Intermediate Shaft Speed Sensor 1 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GN	4510	Transmission Intermediate Speed Signal	I	—
2	0.5	GN	4170	Transmission Position Sensor B 9V Reference	I	—

B14DB Transmission Intermediate Shaft Speed Sensor 2 (MF6)



4663490

Connector Part Information

Harness Type: Transmission
OEM Connector: 2272160-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.2 MCON Series (NA)

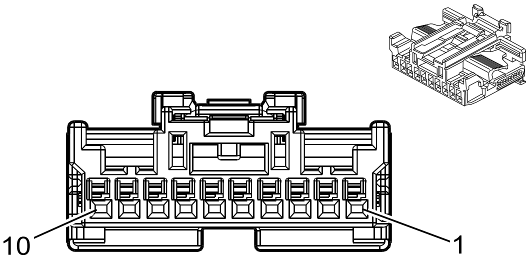
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

B14DB Transmission Intermediate Shaft Speed Sensor 2 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BU	4510	Transmission Intermediate Speed Signal	I	—
2	0.5	BU	4171	Transmission Position Sensor A 9V Reference	I	—

B15 Transmission Internal Mode Switch



4051038

Connector Part Information

Harness Type: Transmission
OEM Connector: 2138504–1
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 10–Way F 0.64 Generation Y Series (BN)

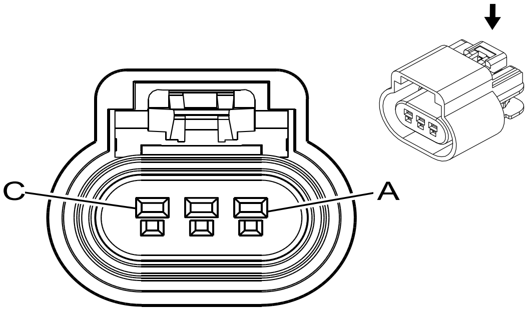
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

B15 Transmission Internal Mode Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	WH/GY	1786	Transmission Park/Neutral Signal 1	I	—
2	—	BK/GY	3927	IMS Mode Switch Low Reference	I	—
3	—	—	—	Not Occupied	—	—
4	—	YE/BU	4171	Transmission Position Sensor A 9V Reference	I	—
5	—	VT/WH	5981	PRNDL A Signal	I	—
6	—	WH/BK	5983	PRNDL C Signal	I	—
7	—	GY/YE	4169	PRNDL S Signal	I	—
8	—	GY/BN	5982	PRNDL B Signal	I	—
9	—	GY/WH	4168	PRNDL P Signal	I	—
10	—	YE/GN	4170	Transmission Position Sensor B 9V Reference	I	—

B18 Battery Current Sensor



646415

Connector Part Information

Harness Type: Engine
OEM Connector: 13519047
Service Connector: 13580871
Description: 3-Way F 150 GT Series, Sealed (BK)

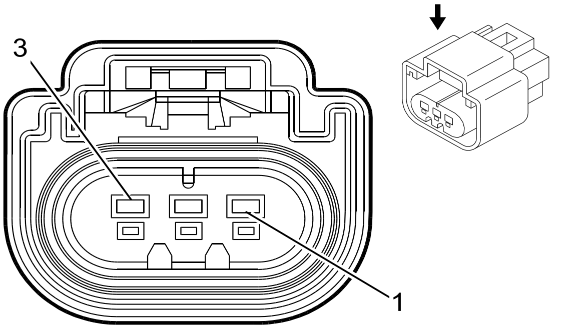
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B18 Battery Current Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BU/VT	5076	Current Sensor Control	I	—
B	0.5	BK/VT	5077	Current Sensor Low Reference	I	—
C	0.5	WH/YE	5075	Current Sensor Signal	I	—

B19B Brake Booster Vacuum Sensor



1962078

Connector Part Information

Harness Type: Chassis
OEM Connector: 13511996
Service Connector: 13580873
Description: 3-Way F 150 GT Series, Sealed (GY)

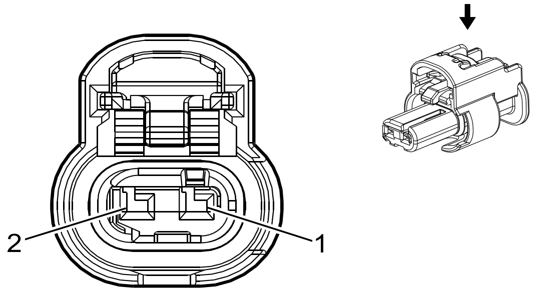
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B19B Brake Booster Vacuum Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/VT	6030	Brake Vacuum Sensor Signal	I	—
2	0.5	BK/YE	6032	Brake Vacuum Sensor Low Reference	I	—
3	0.5	YE/RD	6031	Brake Vacuum Sensor 5V Reference	I	—

B20 Brake Fluid Level Switch



4649903

Connector Part Information

Harness Type: Chassis
OEM Connector: 33327048
Service Connector: 19366842
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

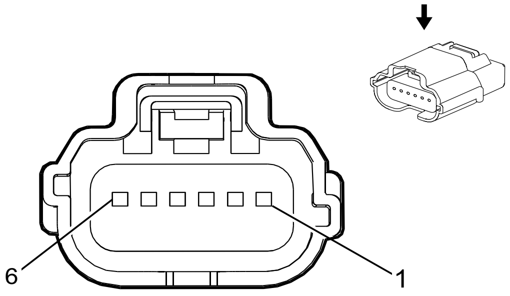
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B20 Brake Fluid Level Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	2150	Ground	I	—
2	0.5	GN/GY	333	Brake Fluid Level Sensor Signal	I	—

B22 Brake Pedal Position Sensor



3270302

Connector Part Information

Harness Type: Brake Clutch Jumper
OEM Connector: 13893502
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 64 Series, Sealed (NA)

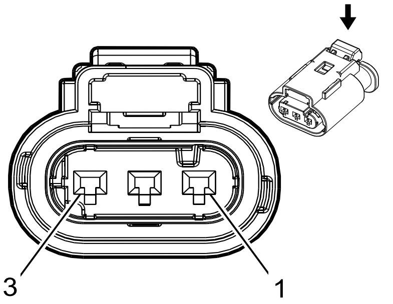
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B22 Brake Pedal Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/GN	552	Sensor Low Reference	I	—
2	0.5	GY/RD	598	5V Reference	I	—
3	0.5	WH/GN	526	Stop Lamp Switch Signal	I	—
4	0.5	BU/YE	5361	Brake Apply Sensor Signal	I	—
5	0.5	BK/BN	5360	Brake Apply Sensor Low Reference	I	—
6	0.5	WH	5359	Brake Apply Sensor Control	I	—

B23 Camshaft Position Sensor



2717069

Connector Part Information

Harness Type: Camshaft Position Sensor Jumper
OEM Connector: 13763990
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.2 Multilock Series, Sealed (BK)

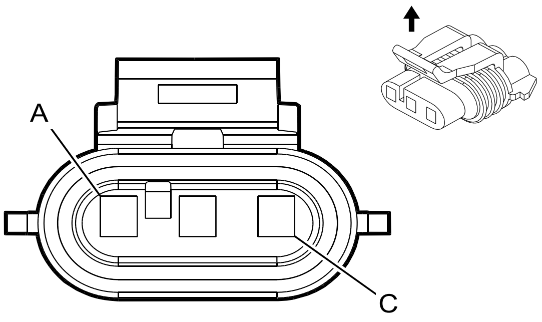
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B23 Camshaft Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BU	5300	Camshaft Position Intake Sensor Control 1	I	—
2	0.5	BK/GN	5301	Camshaft Position Intake Sensor Low Reference 1	I	—
3	0.5	YE/VT	5275	Camshaft Position Intake Sensor 1	I	—

B23 Camshaft Position Sensor (L96)



516611

Connector Part Information

Harness Type: Camshaft Position Sensor Jumper
OEM Connector: 12059595
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 150 Metri-Pack Series, Sealed (BK)

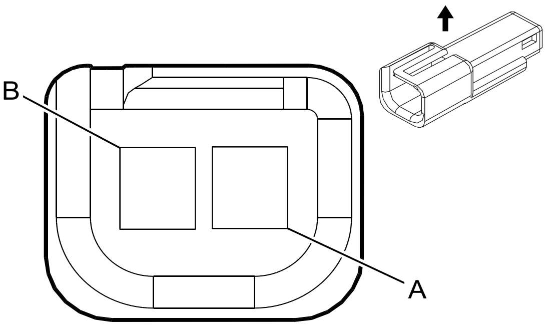
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

B23 Camshaft Position Sensor (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	GY/BU	5300	Camshaft Position Intake Sensor Control 1	I	—
B	0.5	BK/GN	5301	Camshaft Position Intake Sensor Low Reference 1	I	—
C	0.5	YE/VT	5275	Camshaft Position Intake Sensor 1	I	—

B24 Mobile Telephone Microphone



35441

Connector Part Information

Harness Type: Headliner
OEM Connector: 12047663
Service Connector: 13584278
Description: 2-Way M 150 Metri-Pack Series (BK)

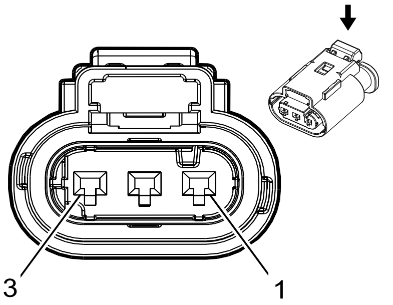
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B24 Mobile Telephone Microphone

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	BK/BN	654	Cellular Telephone Microphone Low Reference	I	—
B	0.35	BU	655	Cellular Telephone Microphone Signal	I	—

B26 Crankshaft Position Sensor (L83/L86)



2717069

Connector Part Information

Harness Type: Engine
OEM Connector: 13763990
Service Connector: 19299690
Description: 3-Way F 1.2 Multilock Series, Sealed (BK)

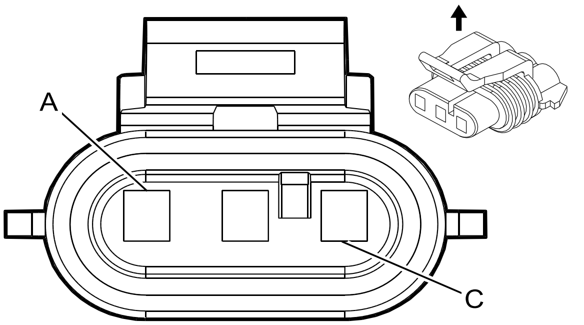
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B26 Crankshaft Position Sensor (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN	6271	Crankshaft 60X Sensor Signal	I	—
2	0.5	BK/VT	6272	Crankshaft 60X Sensor Low Reference	I	—
3	0.5	VT/BU	6270	Crankshaft 60X Sensor 5V Reference	I	—

B26 Crankshaft Position Sensor (L96)



684840

Connector Part Information

Harness Type: Engine
OEM Connector: 13838337
Service Connector: 19329936
Description: 3-Way F 150 Metri-Pack Series, Sealed (GY)

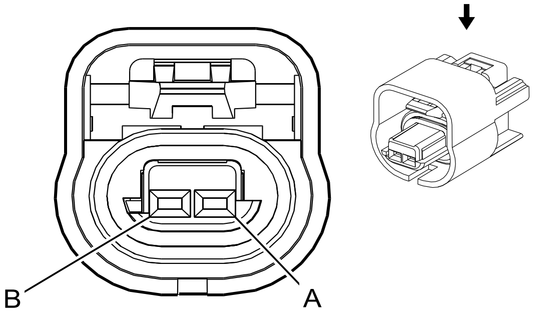
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B26 Crankshaft Position Sensor (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	GN	6271	Crankshaft 60X Sensor Signal	I	—
B	0.5	BK/VT	6272	Crankshaft 60X Sensor Low Reference	I	—
C	0.5	VT/BU	6270	Crankshaft 60X Sensor 5V Reference	I	—

B34 Engine Coolant Temperature Sensor (L83/L86)



1974966

Connector Part Information

Harness Type: Engine
OEM Connector: 15355317
Service Connector: 19178093
Description: 2-Way F 150 GT Series, Sealed (BK)

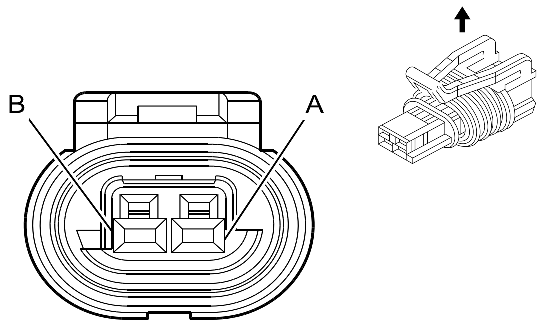
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B34 Engine Coolant Temperature Sensor (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	—
B	0.5	BU	410	Engine Coolant Temperature Sensor Signal	I	—

B34 Engine Coolant Temperature Sensor (L96)



Connector Part Information

Harness Type: Engine
OEM Connector: 15449028
Service Connector: 88987993
Description: 2-Way F 150 GT Series, Sealed (BK)

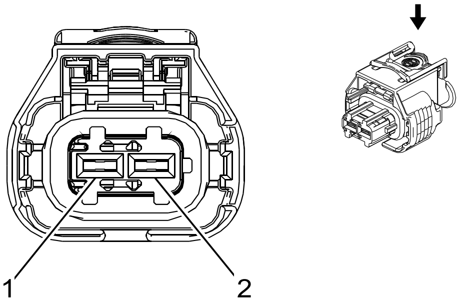
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B34 Engine Coolant Temperature Sensor (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	—
B	0.5	BU	410	Engine Coolant Temperature Sensor Signal	I	—

B35 Engine Oil Level Switch



Connector Part Information

Harness Type: Engine
OEM Connector: 13930085
Service Connector: 13384371
Description: 2-Way F 2.8 Series, Sealed (BK)

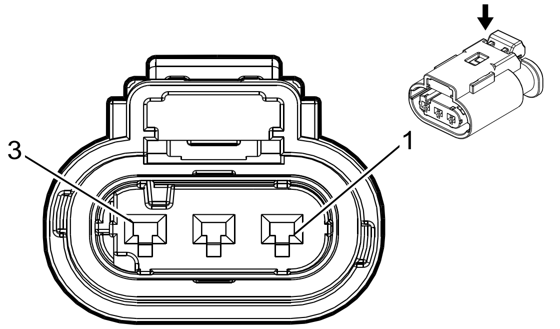
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B35 Engine Oil Level Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/WH	451	Signal Ground	I	—
2	0.5	BN/GN	1174	Oil Level Switch Signal	I	—

B37B Engine Oil Pressure Sensor (L83/L86)



3240107

Connector Part Information

Harness Type: Engine
OEM Connector: 13889776
Service Connector: 19301717
Description: 3-Way F 1.2 Multilock Series, Sealed (BK)

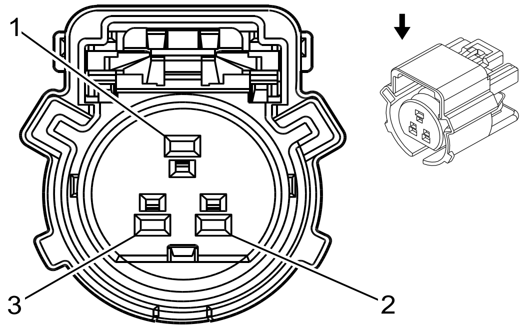
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B37B Engine Oil Pressure Sensor (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	—
2	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	I	—
3	0.5	WH/RD	2705	Oil Pressure Sensor 5V Reference	I	—

B37B Engine Oil Pressure Sensor (L96)



2159957

Connector Part Information

Harness Type: Engine
OEM Connector: 13589761
Service Connector: 13501882
Description: 3-Way F 150 GT Series, Sealed (BK)

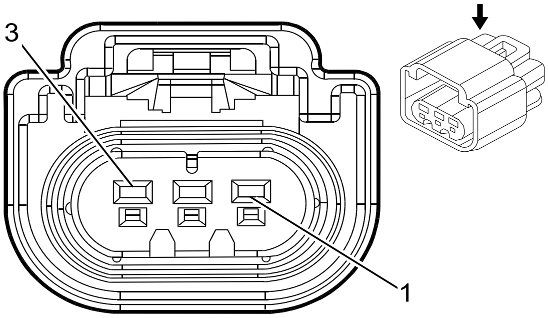
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B37B Engine Oil Pressure Sensor (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	—
2	0.5	WH/RD	2705	Oil Pressure Sensor 5V Reference	I	—
3	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	I	—

B47 Fuel Pressure Sensor



1860942

Connector Part Information

Harness Type: Chassis
OEM Connector: 13511131
Service Connector: 19168035
Description: 3-Way F 150 GT Series, Sealed (BK)

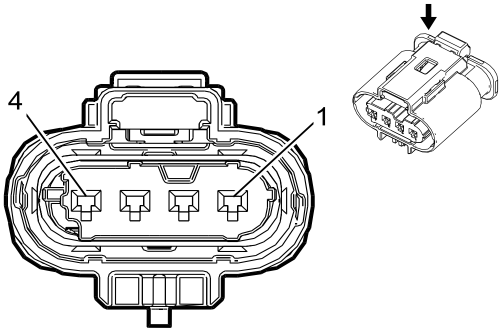
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B47 Fuel Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU/WH	7446	Fuel Line Pressure Sensor Signal	I	—
2	0.5	BK/YE	7447	Fuel Line Pressure Sensor Low Reference	I	—
3	0.5	BN/RD	7445	Fuel Line Pressure Sensor 5V Reference	I	—

B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (L83/L86)



3240113

Connector Part Information

Harness Type: Engine
OEM Connector: 13869004
Service Connector: 19301716
Description: 4-Way F 1.2 Multilock Series, Sealed (D-GY)

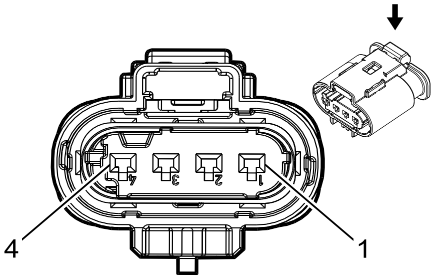
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 1	I	—
2	0.5	VT/BU	5293	Powertrain Main Relay Fused Supply 4	I	—
3	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor 1	I	—
4	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor 1	I	—

B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (L96)



2717079

Connector Part Information

Harness Type: Engine
OEM Connector: 13815341
Service Connector: 13587299
Description: 4-Way F 1.2 Multilock Series, Sealed (BK)

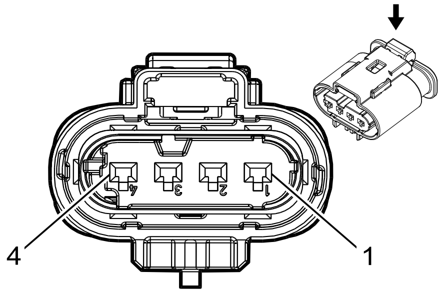
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 1	I	—
2	0.75	VT/BU	5293	Powertrain Main Relay Fused Supply 4	I	—
3	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor 1	I	—
4	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor 1	I	—

B52D Heated Oxygen Sensor - Bank 1 Sensor 2



2717096

Connector Part Information

Harness Type: Chassis
OEM Connector: 13815348
Service Connector: 13587298
Description: 4-Way F 1.2 Multilock Series, Sealed (L-GY)

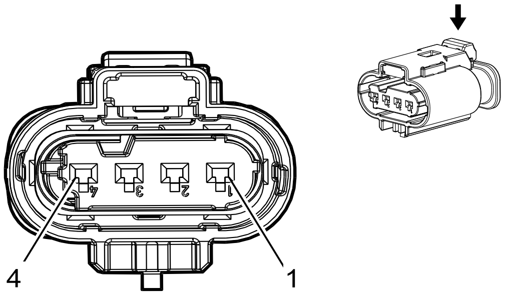
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B52D Heated Oxygen Sensor - Bank 1 Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 2	I	—
2	0.5	VT/BU	5294	Powertrain Main Relay Fused Supply 5	I	—
3	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor 2	I	—
4	0.5	VT	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor 2	I	—

B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (L83/L86)



4036496

Connector Part Information

Harness Type: Engine
OEM Connector: 15532689
Service Connector: 19330904
Description: 4-Way F 1.2 Multilock Series, Sealed (BK)

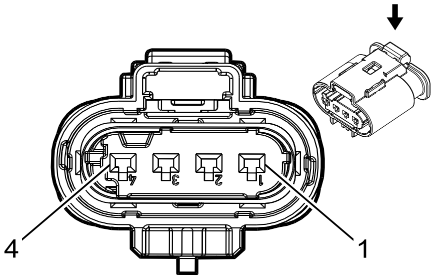
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor 1	I	—
2	0.5	VT/BU	5293	Powertrain Main Relay Fused Supply 4	I	—
3	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor 1	I	—
4	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor 1	I	—

B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (L96)



2717079

Connector Part Information

Harness Type: Engine
OEM Connector: 13815341
Service Connector: 13587299
Description: 4-Way F 1.2 Multilock Series, Sealed (BK)

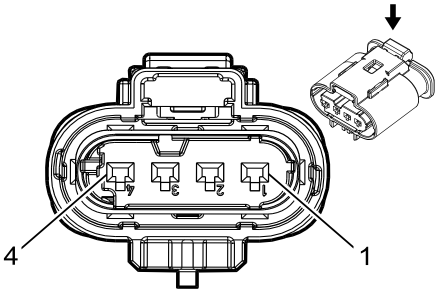
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor 1	I	—
2	0.75	VT/BU	5293	Powertrain Main Relay Fused Supply 4	I	—
3	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor 1	I	—
4	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor 1	I	—

B52F Heated Oxygen Sensor - Bank 2 Sensor 2



2717096

Connector Part Information

Harness Type: Engine
OEM Connector: 13815348
Service Connector: 13587298
Description: 4-Way F 1.2 Multilock Series, Sealed (L-GY)

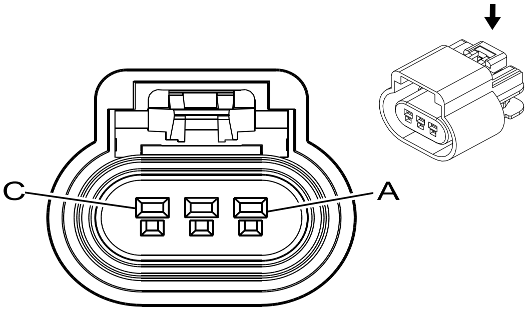
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B52F Heated Oxygen Sensor - Bank 2 Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor 2	I	—
2	0.5	VT/BU	5294	Powertrain Main Relay Fused Supply 5	I	—
3	0.5	YE/BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor 2	I	—
4	0.5	VT/GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor 2	I	—

B55 Engine Hood Switch



646415

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13519047
Service Connector: 13580871
Description: 3-Way F 150 GT Series, Sealed (BK)

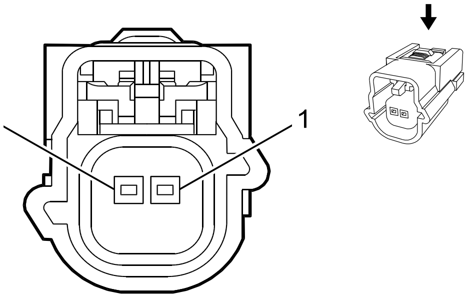
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B55 Engine Hood Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE	5530	Hood Open Switch Signal	I	—
B	0.5	BN/GN	109	Hood Ajar Switch Signal	I	—
C	0.5	BK/YE	4082	Hood Latch Sensor Low Reference	I	UGN
	1	BK	250	Ground	I	WMI-UGN

B59L Front Impact Sensor - Left



2179777

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13593078
Service Connector: 13577629
Description: 2-Way F 0.64 Series, Sealed (L-GY)

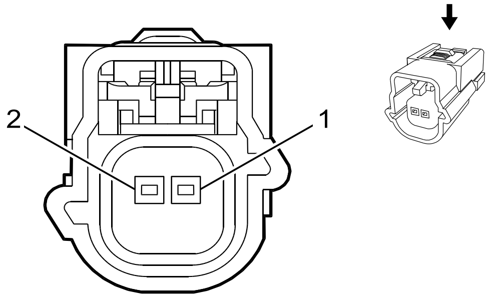
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B59L Front Impact Sensor - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/YE	354	Left Front Discriminating Sensor Signal	I	—
2	0.5	BK/OG	5045	Left Front Discriminating Sensor Low Reference	I	—

B59R Front Impact Sensor - Right



2179777

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13593078
Service Connector: 13577629
Description: 2-Way F 0.64 Series, Sealed (L-GY)

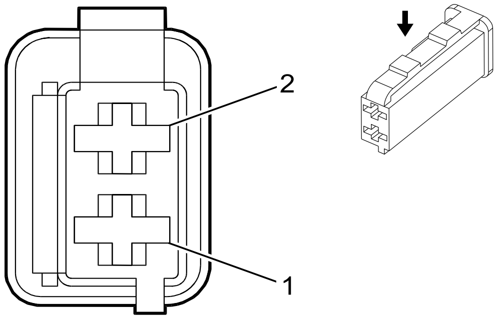
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B59R Front Impact Sensor - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/GN	1409	Right Front Discriminating Sensor Signal	I	—
2	0.5	BK/OG	5600	Right Front Discriminating Sensor Low Reference	I	—

B61P Seat Belt Tension Sensor - Passenger



2339593

Connector Part Information

Harness Type: Body
OEM Connector: 13670097
Service Connector: 13580951
Description: 2-Way F 1.6 Timer Series (BK)

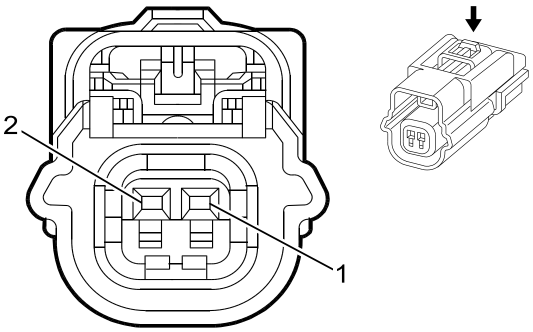
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B61P Seat Belt Tension Sensor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU/RD	5612	Passenger Seat Belt Tension Sensor 5V Reference	I	—
2	0.35	VT/OG	5611	Passenger Seat Belt Tension Sensor Signal	I	—

B62D Seat Position Sensor - Driver



1664592

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 54390239
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Kaizen Series, Sealed (BK)

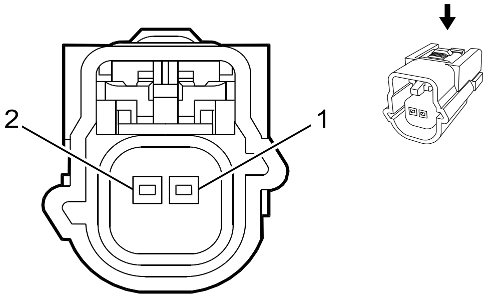
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B62D Seat Position Sensor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/OG	1363	Driver Seat Belt Switch Low Reference	I	—
2	0.35	OG/GN	5055	Driver Seat Position Switch Signal	I	—

B63LF Side Impact Sensor - Left Front



2179777

Connector Part Information

Harness Type: Driver Door
OEM Connector: 13593078
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Series, Sealed (L-GY)

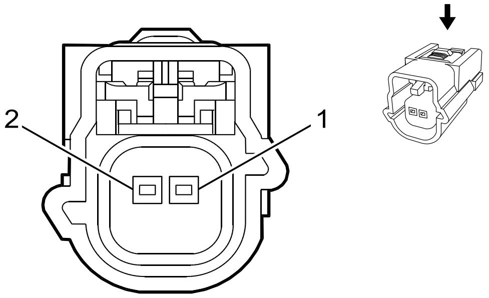
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B63LF Side Impact Sensor - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/GN	2132	Left Front Side Impact Sensing Module Signal	I	—
2	0.5	BK/OG	6628	Left Front Side Impact Sensing Module Low Reference	I	—

B63LR Side Impact Sensor - Left Rear



2179777

Connector Part Information

Harness Type: Body
OEM Connector: 13610095
Service Connector: 13585852
Description: 2-Way F 0.64 Series, Sealed (D-GY)

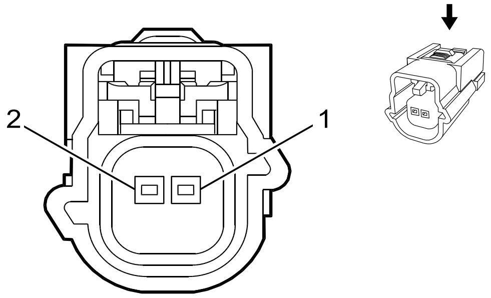
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B63LR Side Impact Sensor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/BU	6620	Left Middle Side Impact Sensing Module Signal	I	—
2	0.35	BK/OG	6621	Left Middle Side Impact Sensing Module Low Reference	I	—

B63RF Side Impact Sensor - Right Front



2179777

Connector Part Information

Harness Type: Passenger Door
OEM Connector: 13593078
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Series, Sealed (L-GY)

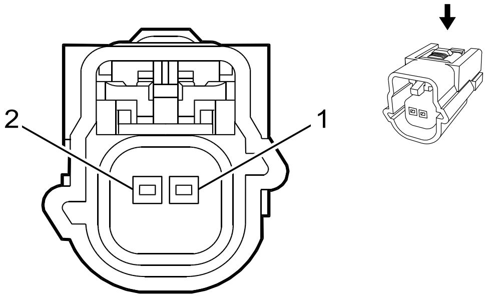
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B63RF Side Impact Sensor - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/GN	2134	Right Front Side Impact Sensing Module Signal	I	—
2	0.5	BK/OG	6629	Right Front Side Impact Sensing Module Low Reference	I	—

B63RR Side Impact Sensor - Right Rear



2179777

Connector Part Information

Harness Type: Body
OEM Connector: 13610095
Service Connector: 13585852
Description: 2-Way F 0.64 Series, Sealed (D-GY)

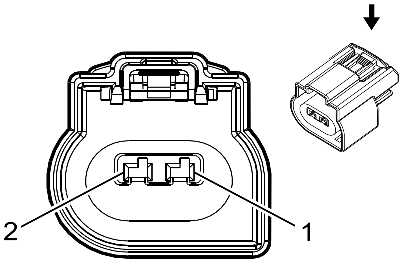
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B63RR Side Impact Sensor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/VT	6624	Right Middle Side Impact Sensing Module Signal	I	—
2	0.35	BK/OG	6625	Right Middle Side Impact Sensing Module Low Reference	I	—

B68A Knock Sensor 1 (L83/L86)



2717073

Connector Part Information

Harness Type: Engine
OEM Connector: 13814755
Service Connector: 19301207
Description: 2-Way F 150 MX Series, Sealed (BK)

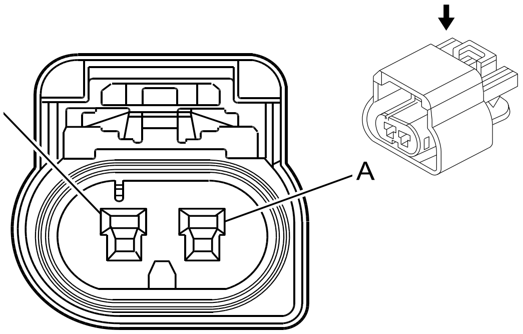
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B68A Knock Sensor 1 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/GY	496	Knock Sensor Signal 1	I	—
2	0.75	BK/YE	1716	Knock Sensor Low Reference 1	I	—

B68A Knock Sensor 1 (L96)



1232999

Connector Part Information

Harness Type: Engine
OEM Connector: 15374222
Service Connector: 13580877
Description: 2-Way F 150 GT Series, Sealed (NA)

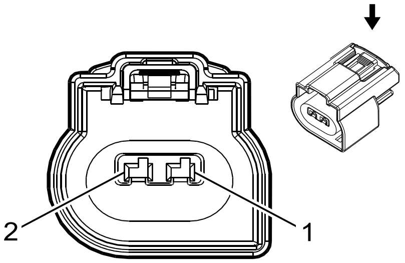
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B68A Knock Sensor 1 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	VT/GY	496	Knock Sensor Signal 1	I	—
B	0.75	BK/YE	1716	Knock Sensor Low Reference 1	I	—

B68 Knock Sensor



2717073

Connector Part Information

Harness Type: Engine
OEM Connector: 13814755
Service Connector: 19301207
Description: 2-Way F 150 MX Series, Sealed (BK)

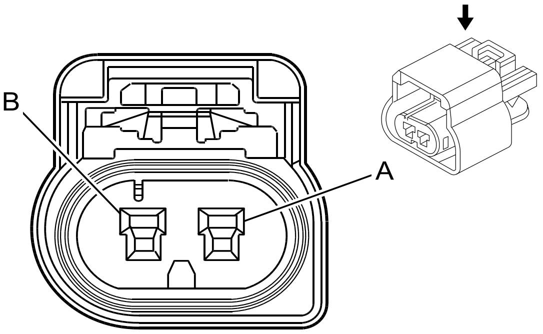
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B68 Knock Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/GY	1876	Knock Sensor Signal 2	I	—
2	0.75	BK/GY	2303	Knock Sensor Low Reference 2	I	—

B68B Knock Sensor 2



1232999

Connector Part Information

Harness Type: Engine
OEM Connector: 15374222
Service Connector: 13580877
Description: 2-Way F 150 GT Series, Sealed (NA)

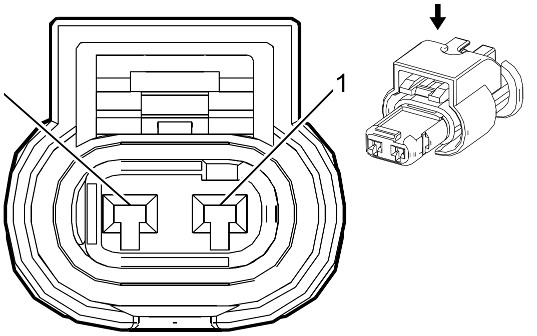
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B68B Knock Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	WH/GY	1876	Knock Sensor Signal 2	I	—
B	0.75	BK/GY	2303	Knock Sensor Low Reference 2	I	—

B70 Liftgate Close Switch



2474752

Connector Part Information

Harness Type: Liftgate
OEM Connector: 13761652
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

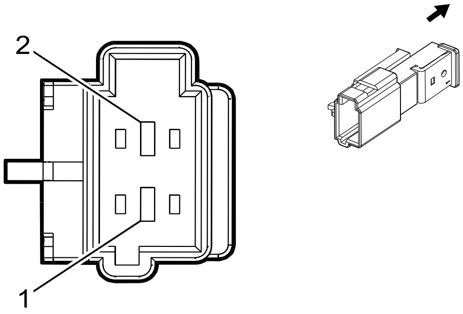
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B70 Liftgate Close Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/RD	3033	Lift Gate Shut Face Switch Signal	I	—
2	0.35	BK/VT	5801	Lift Gate Object Sensor Low Reference	I	—

B71L Liftgate Object Sensor - Left



2339581

Connector Part Information

Harness Type: Liftgate
OEM Connector: 13662506
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.6 Timer Series (BK)

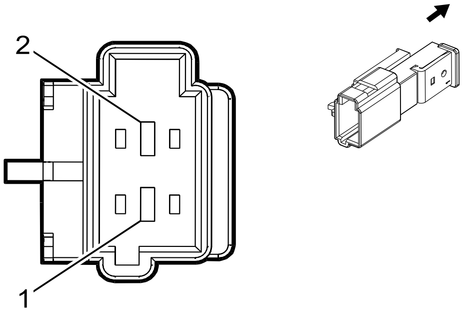
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-34 (YE)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B71L Liftgate Object Sensor - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/BK	6126	Lift Gate Object Sensor 2 Signal	I	—
2	0.35	GY/BK	5802	Lift Gate Object Sensor Signal	I	—

B71R Liftgate Object Sensor - Right



Connector Part Information

Harness Type: Liftgate
OEM Connector: 13662506
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.6 Timer Series (BK)

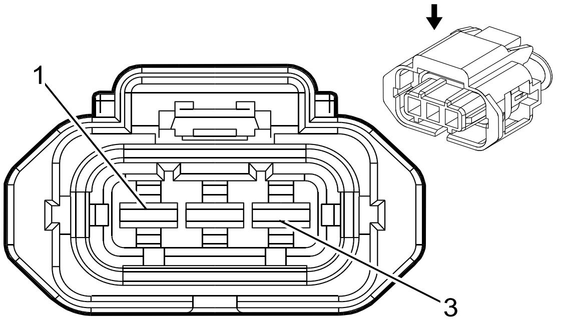
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-34 (YE)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B71R Liftgate Object Sensor - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/BK	5802	Lift Gate Object Sensor Signal	I	—
2	0.35	BK/VT	5801	Lift Gate Object Sensor Low Reference	I	—

B74 Manifold Absolute Pressure Sensor (L83L86)



1914850

Connector Part Information

Harness Type: Engine
OEM Connector: 15397338
Service Connector: 13585845
Description: 3-Way F 2.8 Junior Power Timer Series, Sealed (BK)

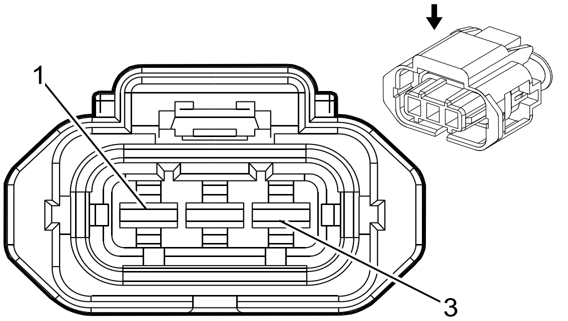
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B74 Manifold Absolute Pressure Sensor (L83L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5V Reference	I	—
2	0.5	BK/GN	469	Manifold Absolute Pressure Sensor Low Reference	I	—
3	0.5	GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	—

B74 Manifold Absolute Pressure Sensor (L96)



1914850

Connector Part Information

Harness Type: Engine
OEM Connector: 13639747
Service Connector: 19181248
Description: 3-Way F 2.8 Junior Power Timer Series, Sealed (BK)

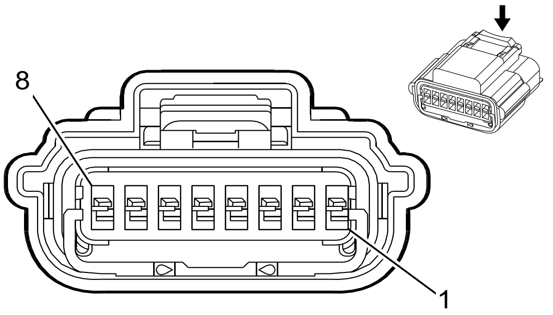
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B74 Manifold Absolute Pressure Sensor (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5V Reference	I	—
2	0.5	BK/GN	469	Manifold Absolute Pressure Sensor Low Reference	I	—
3	0.5	GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	—

B75C Multifunction Intake Air Sensor



2581486

Connector Part Information

Harness Type: Engine
OEM Connector: 13774439
Service Connector: 13583440
Description: 8-Way F 0.64 Series, Sealed (BK)

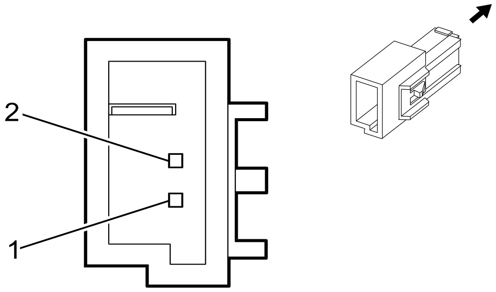
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B75C Multifunction Intake Air Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BU	6289	Induction Air Temperature Sensor Signal	I	—
2	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	I	—
3	0.5 0.5	WH/YE BK/VT	3202 2760	Throttle Inlet Absolute Pressure Sensor Low Reference Intake Air Temperature Sensor Low Reference	I I	L83/L86/L8B L96
4	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	I	—
5	0.5	VT/BU	5294	Powertrain Main Relay Fused Supply 5	I	—
6	0.5	GN/WH	492	Mass Air Flow Sensor Signal	I	—
7	0.75	BK/WH	451	Signal Ground	I	—
8	0.5	GY/BU	7564	Humidity Sensor Signal	I	—

B77LF Radio Volume Compensator Interior Noise Microphone - Left Front



2179778

Connector Part Information

Harness Type: Headliner
OEM Connector: 13676029
Service Connector: 19260825
Description: 2-Way M 0.64 Series (BK)

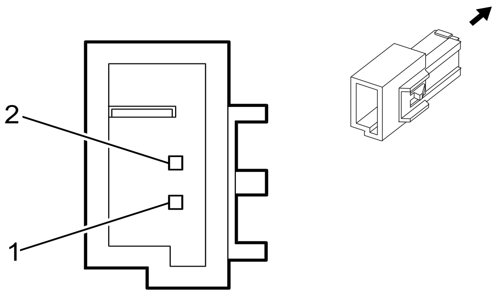
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B77LF Radio Volume Compensator Interior Noise Microphone - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/BK	3008	Noise Reduction Microphone 1 Low Reference	I	—
2	0.35	GN/WH	3005	Noise Reduction Microphone 1 Signal	I	—

B77R Radio Volume Compensator Interior Noise Microphone - Rear



2179778

Connector Part Information

Harness Type: Headliner
OEM Connector: 13676029
Service Connector: 19260825
Description: 2-Way M 0.64 Series (BK)

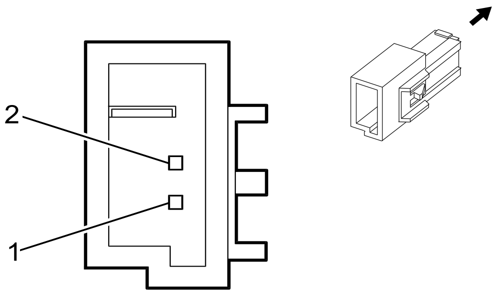
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B77R Radio Volume Compensator Interior Noise Microphone - Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/BN	3010	Noise Reduction Microphone 3 Low Reference	I	—
2	0.35	GY/BU	3007	Noise Reduction Microphone 3 Signal	I	—

B77RF Radio Volume Compensator Interior Noise Microphone - Right Front



2179778

Connector Part Information

Harness Type: Headliner
OEM Connector: 13676029
Service Connector: 19260825
Description: 2-Way M 0.64 Series (BK)

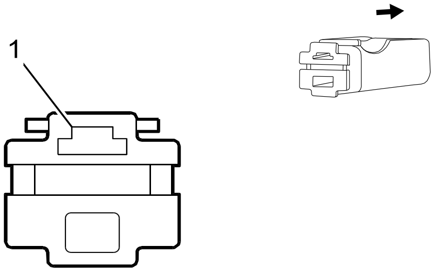
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B77RF Radio Volume Compensator Interior Noise Microphone - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU/BK	3009	Noise Reduction Microphone 2 Low Reference	I	—
2	0.35	BU/YE	3006	Noise Reduction Microphone 2 Signal	I	—

B80 Park Brake Switch



1413086

Connector Part Information

Harness Type: Body
OEM Connector: 13511619
Service Connector: 88988465
Description: 1-Way F 250 Series (BK)

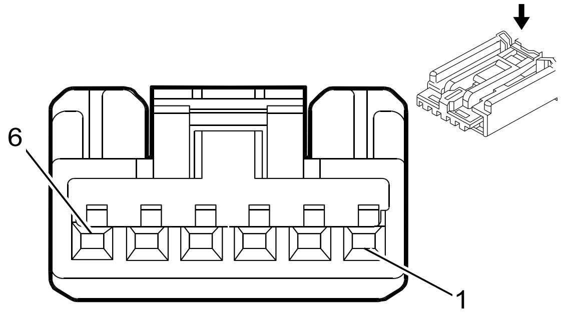
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B80 Park Brake Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BU/VT	1134	Park Brake Switch Signal	I	—

B81B Park Position Switch



1862240

Connector Part Information

Harness Type: Steering Column
OEM Connector: 15269798
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

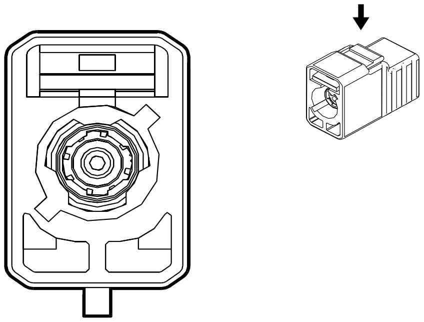
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

B81B Park Position Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 4	—	—	—	Not Occupied	—	—
5	0.35	BK/WH	1851	Signal Ground	I	—
6	0.35	WH/VT	1932	Shift Select Switch Park Signal	I	—

B87 Rearview Camera (DRZ)



3293625

Connector Part Information

Harness Type: Liftgate Coax
OEM Connector: 13583914
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BU)

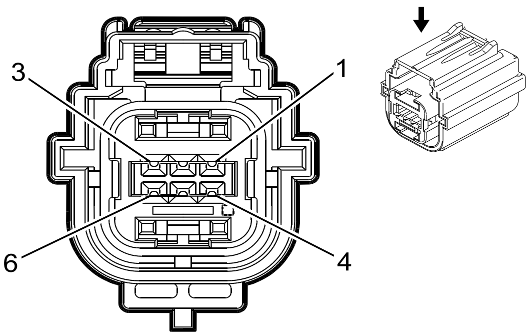
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

B87 Rearview Camera (DRZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(ISRVM) Camera Video Signal	I	—

B87 Rearview Camera (UVC)



2133378

Connector Part Information

Harness Type: Liftgate
OEM Connector: 13629704
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Series, Sealed (GY)

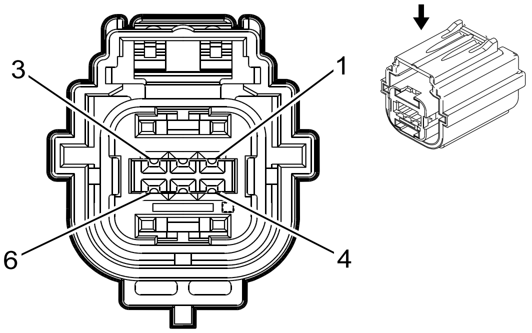
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B87 Rearview Camera (UVC)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/YE	6972	Camera Signal 2 +	I	—
2	0.5	BU/YE	6974	Camera Low Reference	I	—
3	0.35	GN/WH	24	Backup Lamp Control	I	—
4	0.35	WH/BU	6973	Camera Signal 2	I	—
5	0.35	BK	2550	Ground	I	—
6	0.35	VT/GN	1739	Run/Crank Ignition 1 Voltage	I	—

B87 Rearview Camera (UVH)



2133378

Connector Part Information

Harness Type: Liftgate
OEM Connector: 19169088
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Series, Sealed (GY)

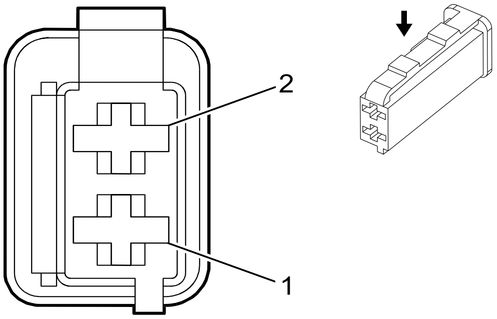
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

B87 Rearview Camera (UVH)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/YE	7641	Camera Rear Vision Signal +	I	—
2	0.35	BK/	6799	Camera Shield Ground	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	WH/BU	7642	Camera Rear Vision Signal (-)	I	—
5	0.35	BK/WH	2551	Signal Ground	I	—
6	0.35	VT/GN	6201	Camera Control	I	—

B88D Seat Belt Switch - Driver



2339593

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 1563189-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

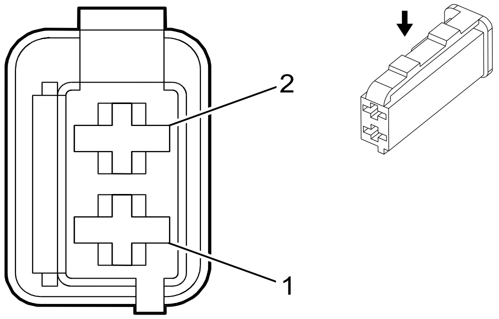
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B88D Seat Belt Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/OG	1363	Driver Seat Belt Switch Low Reference	I	—
2	0.35	OG/BN	238	Driver Seat Belt Switch Signal	I	—

B88P Seat Belt Switch - Passenger



2339593

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 1563189-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

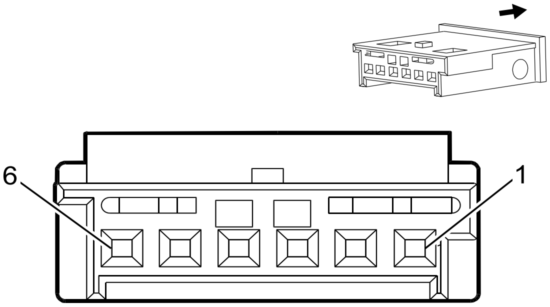
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B88P Seat Belt Switch - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/OG	1361	Passenger Seat Belt Switch Low Reference	I	—
2	0.35	OG/VT	1362	Passenger Seat Belt Switch Signal	I	—

B99 Steering Wheel Angle Sensor



1862024

Connector Part Information

Harness Type: Steering Column
OEM Connector: 19151551
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Micro-Quadlock Series (BK)

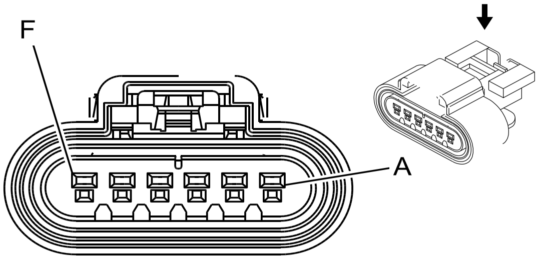
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

B99 Steering Wheel Angle Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
2	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
3	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
4	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
5	0.35	GN/BN	2087	Combined Vehicle Inertial Sensor Supply Voltage	I	—
6	0.35	BK/WH	1851	Signal Ground	I	—

B107 Accelerator Pedal Position Sensor



886053

Connector Part Information

Harness Type: Brake Clutch Jumper
OEM Connector: 15326830
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 150 GT Series, Sealed (BK)

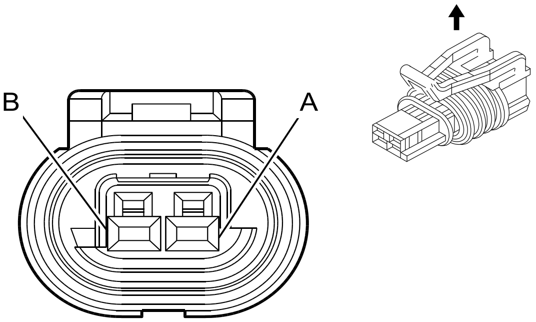
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B107 Accelerator Pedal Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	BK/VT	1272	Accelerator Pedal Position Low Reference 2	I	—
B	0.35	GN/WH	1162	Accelerator Pedal Position Signal 2	I	—
C	0.35	BN/RD	1274	Accelerator Pedal Position 5V Reference 2	I	—
D	0.35	WH/RD	1164	Accelerator Pedal Position 5V Reference 1	I	—
E	0.35	YE/WH	1161	Accelerator Pedal Position Signal 1	I	—
F	0.35	BK/BU	1271	Accelerator Pedal Position Low Reference 1	I	—

B115 Vehicle Speed Sensor



1538760

Connector Part Information

Harness Type: Engine
OEM Connector: 15449028
Service Connector: 88987993
Description: 2-Way F 150 GT Series, Sealed (BK)

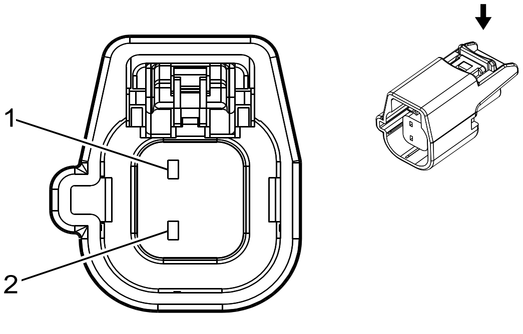
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B115 Vehicle Speed Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	VT/WH	821	Vehicle Speed Sensor Signal	I	—
B	0.5	BK/GN	822	Vehicle Speed Sensor Low Reference	I	—

B118B Windshield Washer Fluid Level Switch



3958652

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33113086
Service Connector: 13593220
Description: 2-Way F 1.5 Series (L-GY)

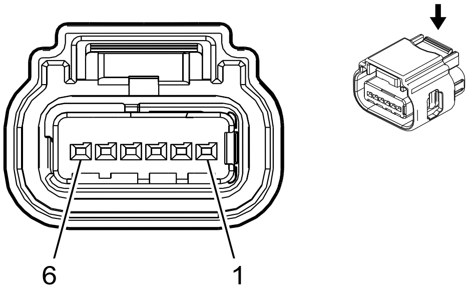
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B118B Windshield Washer Fluid Level Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT	185	Low Washer Fluid Indicator Control	I	—
2	0.75	BK	150	Ground	I	—

B119 Multi-axis Acceleration Sensor



2807938

Connector Part Information

Harness Type: Body
OEM Connector: 13834428
Service Connector: 19299684
Description: 6-Way F 0.64 Series, Sealed (BK)

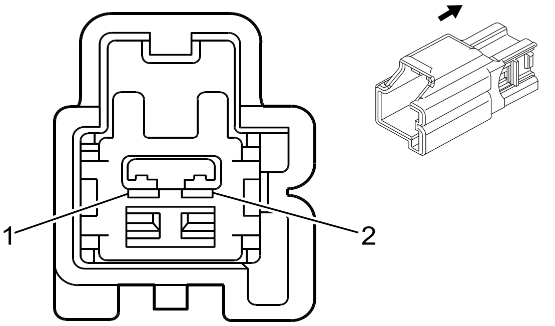
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B119 Multi-axis Acceleration Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
2	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
3	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
4	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
5	0.35	BK/BN	6045	Steering Angle Sensor Low Reference	I	—
6	0.5	BK/WH	2751	Signal Ground	I	—

B124LR Folding Seat Back Position Switch - 2nd Row Left



1853532

Connector Part Information

Harness Type: Left Rear Seat
OEM Connector: 7282-6443-40
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.5 Series (L-GY)

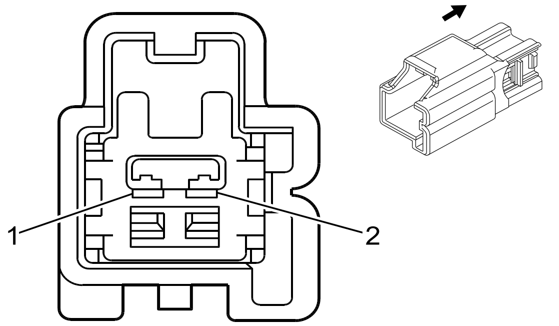
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B124LR Folding Seat Back Position Switch - 2nd Row Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	1150	Ground	I	—
2	0.75	GY	1150	Ground	I	—

B124RR Folding Seat Back Position Switch - 2nd Row Right



1853532

Connector Part Information

Harness Type: Right Rear Seat
OEM Connector: 7282-6443-40
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.5 Series (L-GY)

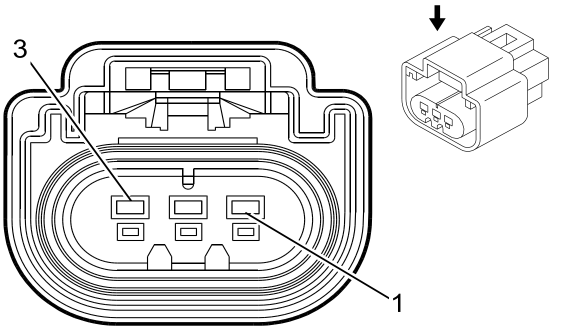
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B124RR Folding Seat Back Position Switch - 2nd Row Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	1250	Ground	I	—
2	0.75	GY	1250	Ground	I	—

B150 Fuel Tank Pressure Sensor



1962078

Connector Part Information

Harness Type: Chassis
OEM Connector: 13511996
Service Connector: 13580873
Description: 3-Way F 150 GT Series, Sealed (GY)

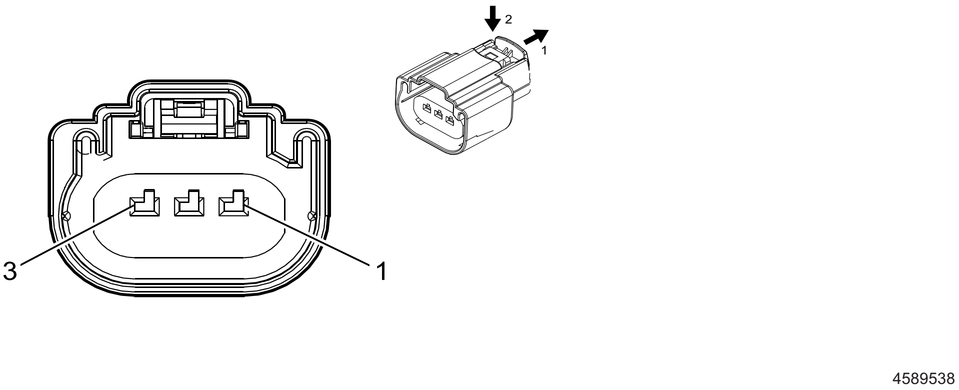
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B150 Fuel Tank Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU/WH	890	Fuel Tank Pressure Sensor Signal	I	—
2	0.5	BK/GN	6281	Fuel Level Sensor Low Reference	I	—
3	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5V Reference	I	—

B152LF Suspension Position Sensor - Left Front



Connector Part Information

Harness Type: Chassis
OEM Connector: 33343864
Service Connector: 19356431
Description: 3-Way F 150 MX Series, Sealed (GY)

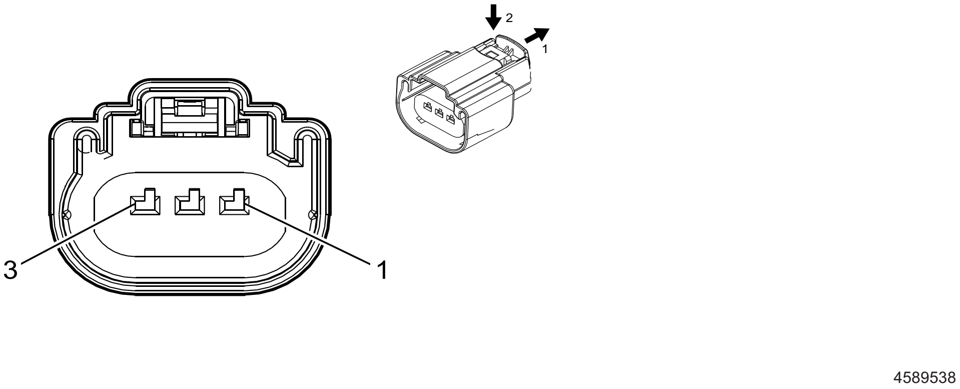
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B152LF Suspension Position Sensor - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU/RD	1205	Left Front Strut Position Sensor 5V Reference	I	—
2	0.5	BK/BU	1206	Left Front Strut Position Sensor Low Reference	I	—
3	0.5	BN/WH	1207	Left Front Strut Position Sensor Signal	I	—

B152LR Suspension Position Sensor - Left Rear



Connector Part Information

Harness Type: Chassis
OEM Connector: 33343864
Service Connector: 19356431
Description: 3-Way F 150 MX Series, Sealed (GY)

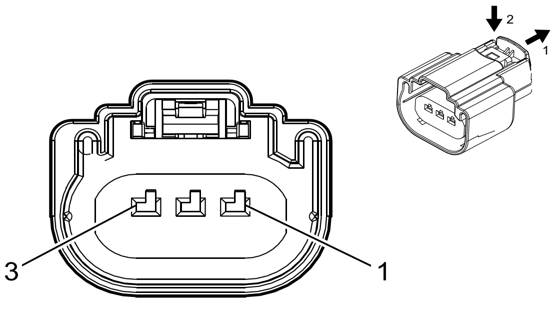
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B152LR Suspension Position Sensor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/RD	1208	Left Rear Strut Position Sensor 5V Reference	I	—
2	0.5	BK/GN	1209	Left Rear Strut Position Sensor Low Reference	I	—
3	0.5	GN/WH	1210	Left Rear Strut Position Sensor Signal	I	—

B152RF Suspension Position Sensor - Right Front



4589538

Connector Part Information

Harness Type: Chassis
OEM Connector: 33343864
Service Connector: 19356431
Description: 3-Way F 150 MX Series, Sealed (GY)

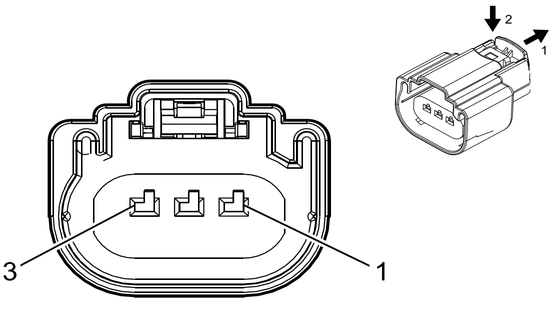
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B152RF Suspension Position Sensor - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/RD	1211	Right Front Strut Position Sensor 5V Reference	I	—
2	0.5	BK/GY	1212	Right Front Strut Position Sensor Low Reference	I	—
3	0.5	YE/WH	1213	Right Front Strut Position Sensor Signal	I	—

B152RR Suspension Position Sensor - Right Rear



4589538

Connector Part Information

Harness Type: Chassis
OEM Connector: 33343864
Service Connector: 19356431
Description: 3-Way F 150 MX Series, Sealed (GY)

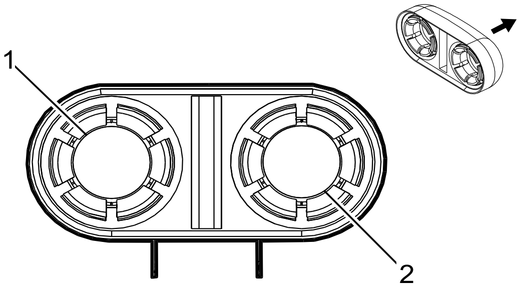
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B152RR Suspension Position Sensor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/RD	1214	Right Rear Strut Position Sensor 5V Reference	I	—
2	0.5	BK/YE	1215	Right Rear Strut Position Sensor Low Reference	I	—
3	0.5	GN/GY	1216	Right Rear Strut Position Sensor Signal	I	—

B159L Glass Breakage Sensor - Left



3282947

Connector Part Information

Harness Type: Body
OEM Connector: 3332-3TE-17
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F Snap Type (BK)

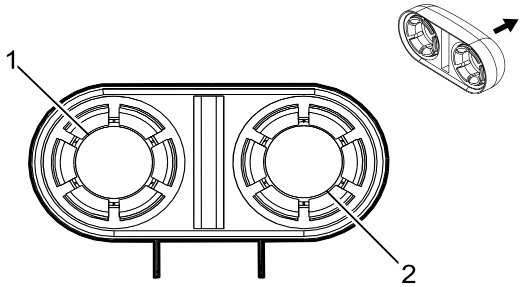
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

B159L Glass Breakage Sensor - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/VT	293	Rear Defog Element Control	I	—
2	0.5	BU/VT	7597	Glass Breakage Sensor Signal	I	—

B159R Glass Breakage Sensor - Right



3282947

Connector Part Information

Harness Type: Body
OEM Connector: 3332-3TE-17
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F Snap Type (BK)

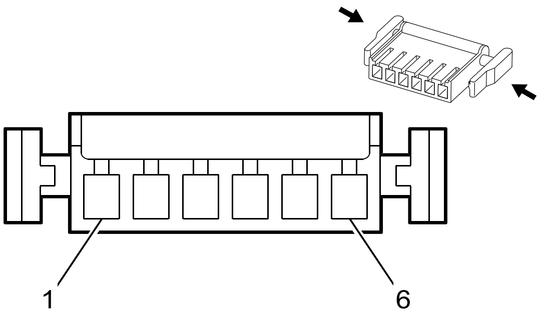
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

B159R Glass Breakage Sensor - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU/VT	7597	Glass Breakage Sensor Signal	I	—
2	0.5	VT/BU	7598	Glass Breakage Sensor Signal 2	I	—

B165 Content Theft Deterrent Sensor Module



2173602

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 13726957
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Micro-Quadlock Series (BK)

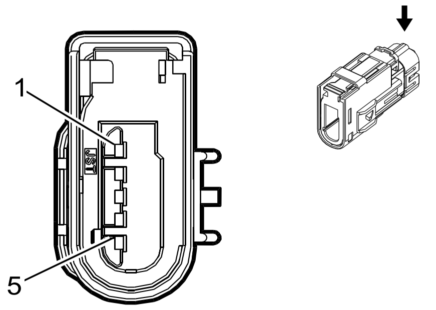
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B165 Content Theft Deterrent Sensor Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/BK	5068	Intrusion Sensor Switch Disable Signal	I	—
2	0.35	YE/BU	3278	Intrusion Sensor Switch LED Control	I	—
3	0.35	RD/BU	4540	Battery Positive Voltage	I	—
4	0.5	GN/BN	6132	Local Interconnect Network Serial Data Bus 1	I	—
5	0.35	BK	1050	Ground	I	—
6	—	—	—	Not Occupied	—	—

B174G Frontview Camera - Grille



3277922

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13934096
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way M 1.2 Series, Sealed (L-GY)

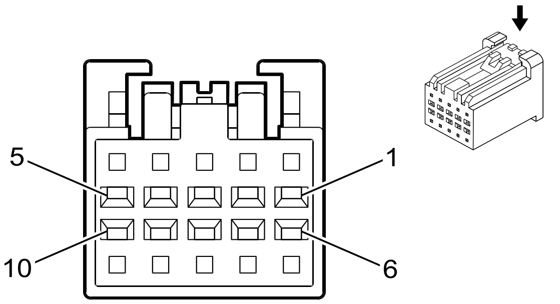
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B174G Frontview Camera - Grille

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU	3373	Auxiliary Video High Signal 2	I	—
2	0.35	BK	3371	Video Low Reference 2	I	—
3	0.35	GY	3372	Auxiliary Video Low Signal 2	I	—
4	0.35	BK/WH	2551	Signal Ground	I	—
5	0.5	WH/BN	6201	Camera Control	I	—

B174W Frontview Camera - Windshield (UGN+Z75)



2840038

Connector Part Information

Harness Type: Headliner
OEM Connector: 13876499
Service Connector: 13581139
Description: 10-Way F 0.64 Kaizen Series (GY)

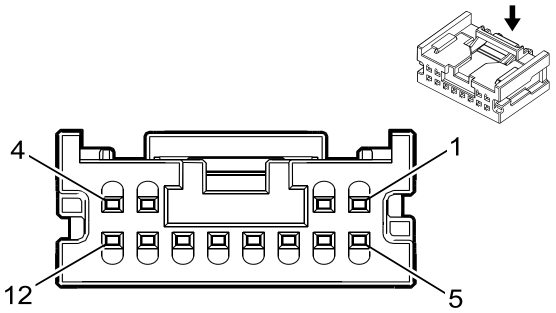
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

B174W Frontview Camera - Windshield (UGN+Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.35	RD/GN	3140	Battery Positive Voltage	I	—
3	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
4	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
5	0.5	BK	1050	Ground	I	—
6 - 7	—	—	—	Not Occupied	—	—
8	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
9	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
10	0.35	GY/VT	3808	Front Object Sensor Control 2	I	—

B174W Frontview Camera - Windshield (UHX)



3824362

Connector Part Information

Harness Type: Headliner
OEM Connector: 33235297
Service Connector: 13507121
Description: 12-Way F Mini 50 Series (BK)

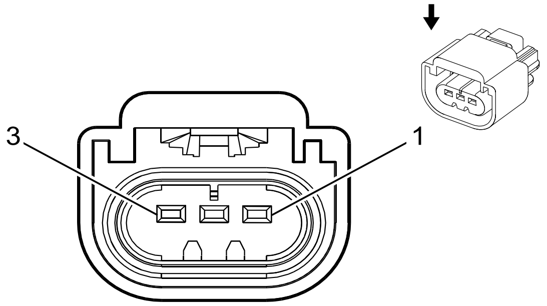
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19333221	EL-35616-58 (BK)	J-38125-553	Not Available	Not Available	Not Available	Not Available

B174W Frontview Camera - Windshield (UHX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1050	Ground	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	RD/GN	3140	Battery Positive Voltage	I	—
4	0.35	WH	3152	Lane Departure Warning Indicator Control	I	—
5	0.35	BU/GY	3935	High Speed GMLAN Serial Data (+) 8	I	—
6	0.35	WH/GY	3936	High Speed GMLAN Serial Data (-) 8	I	—
7	0.35	BU/GY	3935	High Speed GMLAN Serial Data (+) 8	I	—
8	0.35	WH/GY	3936	High Speed GMLAN Serial Data (-) 8	I	—
9	0.35	WH/BU	5986	Serial Data Communication Enable	I	—
10	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	I	—
11	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—
12	—	—	—	Not Occupied	—	—

B198 Fuel Composition Sensor



2422393

Connector Part Information

Harness Type: Chassis
OEM Connector: 13511132
Service Connector: 19301582
Description: 3-Way F 150 GT Series, Sealed (BN)

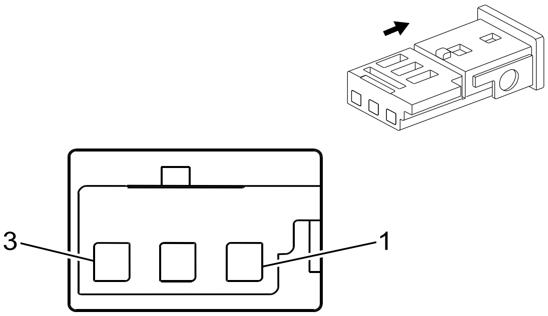
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B198 Fuel Composition Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BU	5294	Powertrain Main Relay Fused Supply 5	I	—
2	0.5	BK	2150	Ground	I	—
3	0.5	WH	1579	Fuel Temperature/Composition Signal	I	—

B200 Rain Sensor Module



2173553

Connector Part Information

Harness Type: Rain Sensor Jumper
OEM Connector: 13314078
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way 3-Way F 0.64 MQS Series, Sealed (BK)

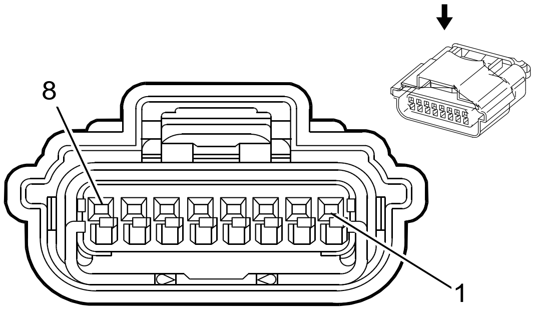
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

B200 Rain Sensor Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/BU	840	Battery Positive Voltage	I	—
2	0.35	GN/BN	6132	Local Interconnect Network Serial Data Bus 1	I	—
3	0.35	BK	1050	Ground	I	—

B218L Side Object Sensor Module - Left



2339623

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 15539250
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 0.64 Series, Sealed (BK)

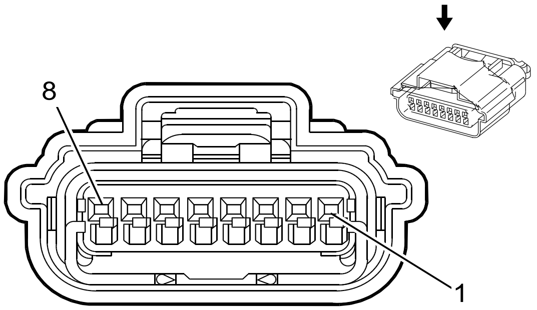
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B218L Side Object Sensor Module - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GN	5060	Low Speed GMLAN Serial Data	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	YE/VT	3830	Serial Data Communication Enable 2	I	—
4	0.5	BU/WH	3812	High Speed GMLAN Serial Data (+) 5	I	—
5	0.5	BU/YE	3810	High Speed GMLAN Serial Data (-) 5	I	—
6	—	—	—	Not Occupied	—	—
7	0.5	BK	1450	Ground	I	—
8	0.5	RD/GN	3140	Battery Positive Voltage	I	—

B218R Side Object Sensor Module - Right



2339623

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 15539251
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 0.64 Series, Sealed (BK)

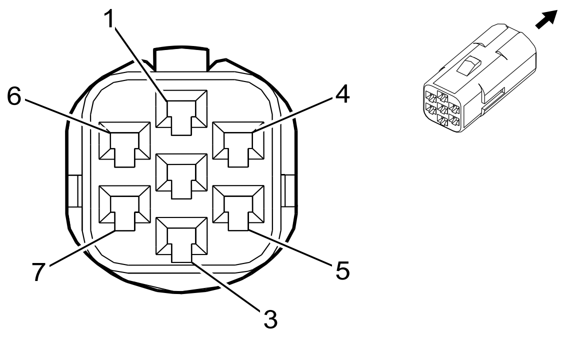
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B218R Side Object Sensor Module - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY	5861	Passenger Side Object Detection LED Signal 1	I	—
2	0.5	GY/YE	5853	Driver Side Object Detection LED Signal 1	I	—
3	0.5	YE/VT	3830	Serial Data Communication Enable 2	I	—
4	0.5	BU/WH	3812	High Speed GMLAN Serial Data (+) 5	I	—
5	0.5	BU/YE	3810	High Speed GMLAN Serial Data (-) 5	I	—
6	—	—	—	Not Occupied	—	—
7	0.5	BK	1450	Ground	I	—
8	0.5	RD/GN	3140	Battery Positive Voltage	I	—

B225L Sideview Camera - Left (UVH)



3293619

Connector Part Information

Harness Type: Left OSRVM
OEM Connector: 13576423
Service Connector: Service by Harness - See Part Catalog
Description: 7-Way F Multilock Series (GN)

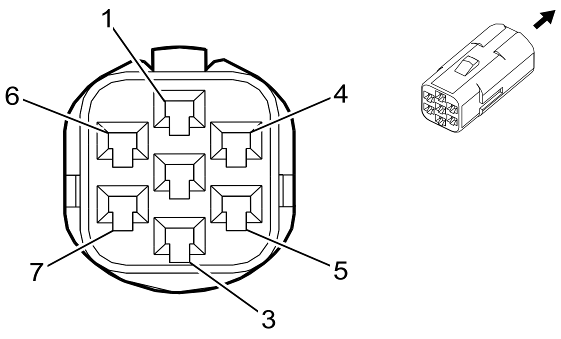
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

B225L Sideview Camera - Left (UVH)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/GN	2628	Left Side Vision Camera Video Signal (+)	I	—
2	0.35	BK	2624	Left Side Vision Camera Video Drain Wire	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	GY/GN	2625	Left Side Vision Camera Video Signal (-)	I	—
5	0.35	BK/WH	2551	Signal Ground	I	—
6	0.5	WH/BN	6201	Camera Control	I	—
7	—	—	—	Not Occupied	—	—

B225R Sideview Camera - Right (UVH)



3293619

Connector Part Information

Harness Type: Right OSRVM
OEM Connector: 13576423
Service Connector: Service by Harness - See Part Catalog
Description: 7-Way F Multilock Series (GN)

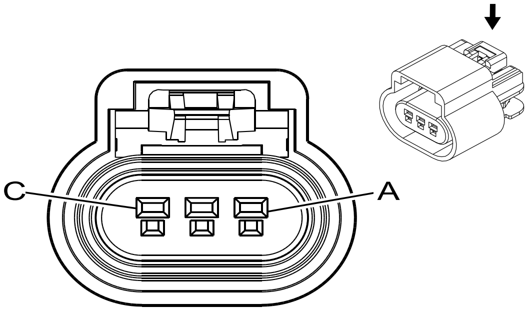
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

B225R Sideview Camera - Right (UVH)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/BU	2627	Right Side Vision Camera Video Signal (+)	I	—
2	0.35	BK	2623	Right Side Vision Camera Video Drain Wire	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	GY/BU	2626	Right Side Vision Camera Video Signal (-)	I	—
5	0.35	BK/WH	2551	Signal Ground	I	—
6	0.5	WH/BN	6201	Camera Control	I	—
7	—	—	—	Not Occupied	—	—

B227 Gear Position Sensor



646415

Connector Part Information

Harness Type: Engine
OEM Connector: 15326808
Service Connector: 13580871
Description: 3-Way F 150 GT Series, Sealed (BK)

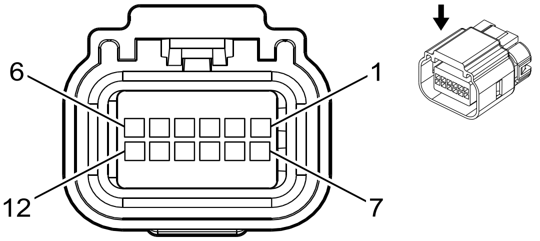
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B227 Gear Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/BK	7478	Rotary Position Sensor Low Reference	I	—
B	0.5	WH/RD	7477	Rotary Position Sensor 5V Reference	I	—
C	0.5	WH/GN	7479	Rotary Position Sensor Signal	I	—

B233B Radar Sensor Module - Long Range



2829611

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13833301
Service Connector: 19299773
Description: 12-Way F 1.5 Series, Sealed (BK)

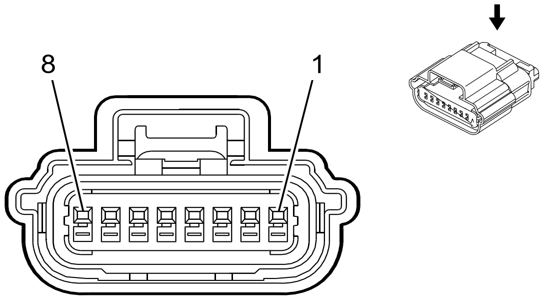
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300649	J-35616-16 (LT GN)	J-38125-553	Not Available	Not Available	Not Available	Not Available

B233B Radar Sensor Module - Long Range

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
3	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
4	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
5	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
6	0.5	GY/VT	3808	Front Object Sensor Control 2	I	—
7	0.5	BK	250	Ground	I	—
8 - 9	—	—	—	Not Occupied	—	—
10	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
11	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
12	—	—	—	Not Occupied	—	—

B233LF Radar Sensor Module - Short Range Left Front



2829612

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13916067
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 0.64 Series, Sealed (BK)

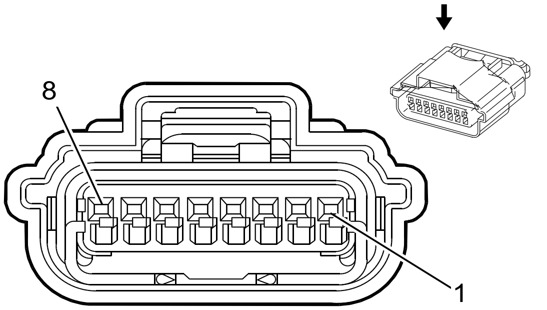
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B233LF Radar Sensor Module - Short Range Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
2	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
3	—	—	—	Not Occupied	—	—
4	0.5	BK	250	Ground	I	—
5	0.5	GY/VT	3808	Front Object Sensor Control 2	I	—
6	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
7	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
8	0.5	BK	250	Ground	I	—

B233LR Radar Sensor Module - Short Range Left Rear



2339623

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13912371
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 0.64 Series, Sealed (BK)

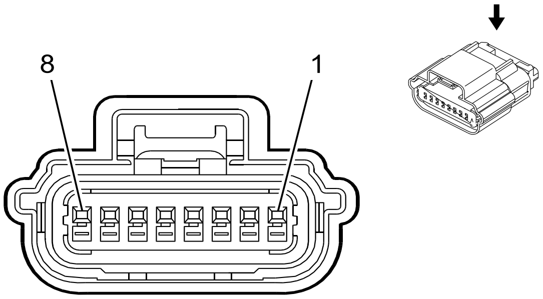
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B233LR Radar Sensor Module - Short Range Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
2	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
3 - 4	—	—	—	Not Occupied	—	—
5	0.5	BN/VT	3809	Front Object Sensor Control 1	I	—
6	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
7	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
8	0.5	BK	1450	Ground	I	—

B233RF Radar Sensor Module - Short Range Right Front



2829612

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13912372
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 0.64 Series, Sealed (BK)

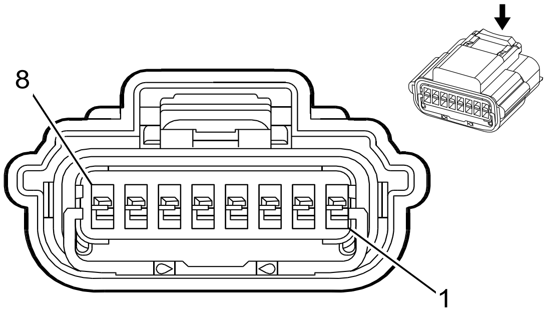
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B233RF Radar Sensor Module - Short Range Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
2	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
3	0.5	BK	250	Ground	I	—
4	—	—	—	Not Occupied	—	—
5	0.5	GY/VT	3808	Front Object Sensor Control 2	I	—
6	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
7	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
8	0.5	BK	250	Ground	I	—

B233RR Radar Sensor Module - Short Range Right Rear



2581486

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13774439
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 0.64 Series, Sealed (BK)

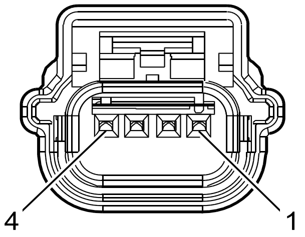
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B233RR Radar Sensor Module - Short Range Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
2	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
3	0.5	BK	1450	Ground	I	—
4	0.5	BK	1450	Ground	I	—
5	0.5	BN/VT	3809	Front Object Sensor Control 1	I	—
6	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
7	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
8	0.5	BK	1450	Ground	I	—

B303 Transmission Range Sensor (MF6)



4674856

Connector Part Information

Harness Type: Transmission
OEM Connector: 6006314801
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Series

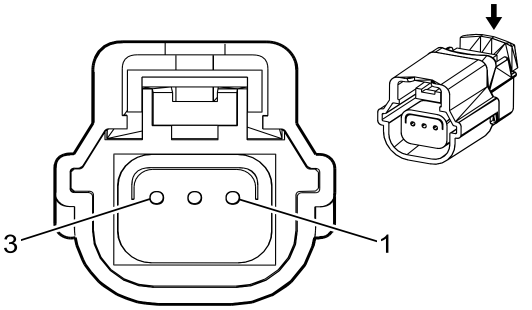
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	NOT REQUIRED	No Tool Required	Not Required	Not Required	Not Required	Not Required

B303 Transmission Range Sensor (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/BU	3927	IMS Mode Switch Low Reference	I	—
2	0.5	BN/GN	5724	Ignition Mode Switch Mode Control	I	—
3	0.5	YE/GY	5726	Ignition Mode Switch Mode Control Backup	I	—
4	0.5	YE/OG	4162	Transmission Pressure Sensor A 5V Reference	I	—

B306A Parking Assist Sensor - Front Left Outer



1846469

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13512481
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series, Sealed (BK)

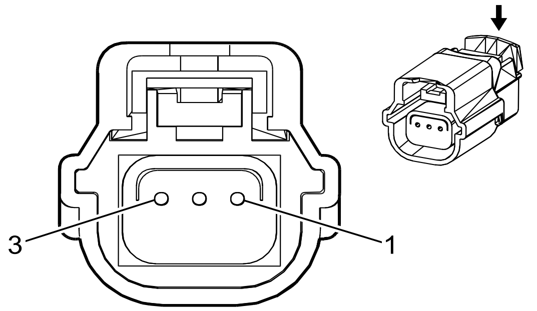
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B306A Parking Assist Sensor - Front Left Outer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/GN	5213	Front Parking Left/Right/Mid Sensor	I	—
2	0.5	VT/WH	5215	Front Parking Left Corner Sensor	I	—
3	0.5	BK/BU	5214	Front Parking Sensor Low Reference	I	—

B306B Parking Assist Sensor - Front Left Middle



1846469

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13512481
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series, Sealed (BK)

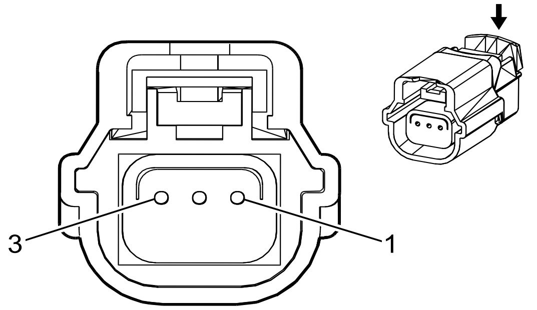
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B306B Parking Assist Sensor - Front Left Middle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/GN	5213	Front Parking Left/Right/Mid Sensor	I	—
2	0.5	YE/GY	5216	Front Parking Left Mid Sensor	I	—
3	0.5	BK/BU	5214	Front Parking Sensor Low Reference	I	—

B306C Parking Assist Sensor - Front Right Middle



1846469

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13512481
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series, Sealed (BK)

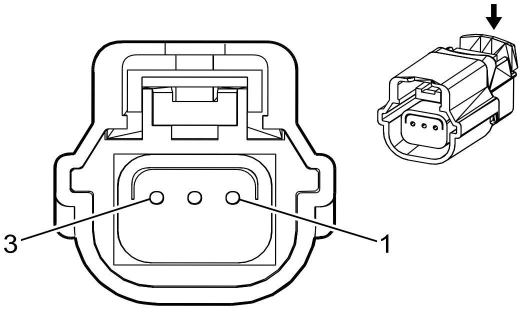
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B306C Parking Assist Sensor - Front Right Middle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/GN	5213	Front Parking Left/Right/Mid Sensor	I	—
2	0.5	VT/GY	5218	Front Parking Right Mid Sensor	I	—
3	0.5	BK/BU	5214	Front Parking Sensor Low Reference	I	—

B306D Parking Assist Sensor - Front Right Outer



1846469

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13512481
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series, Sealed (BK)

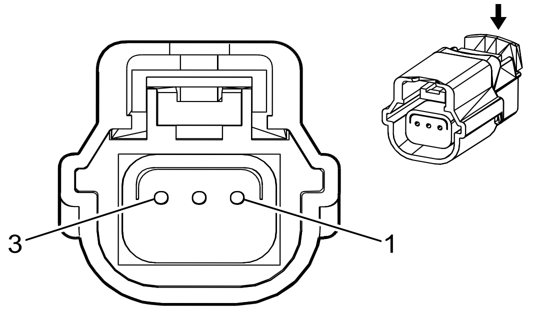
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B306D Parking Assist Sensor - Front Right Outer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/GN	5213	Front Parking Left/Right/Mid Sensor	I	—
2	0.5	WH/GY	5217	Front Parking Right Corner Sensor	I	—
3	0.5	BK/BU	5214	Front Parking Sensor Low Reference	I	—

B306E Parking Assist Sensor - Rear Left Outer



1846469

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13512481
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series, Sealed (BK)

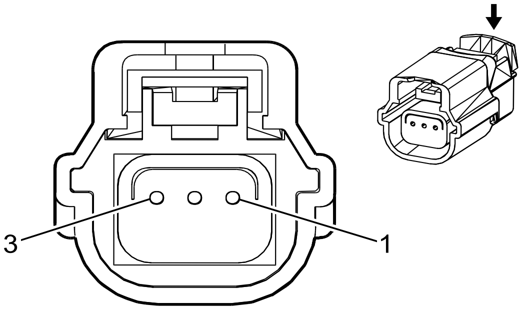
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B306E Parking Assist Sensor - Rear Left Outer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Control	I	—
2	0.5	YE	2375	Left Rear Corner Object Sensor Signal	I	—
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	—

B306F Parking Assist Sensor - Rear Left Middle



1846469

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13512481
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series, Sealed (BK)

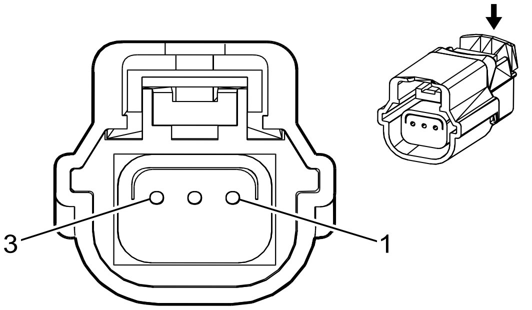
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B306F Parking Assist Sensor - Rear Left Middle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Control	I	—
2	0.5	YE/BU	2376	Left Rear Middle Object Sensor Signal	I	—
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	—

B306F Parking Assist Sensor - Rear Left Middle



1846469

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13512481
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series, Sealed (BK)

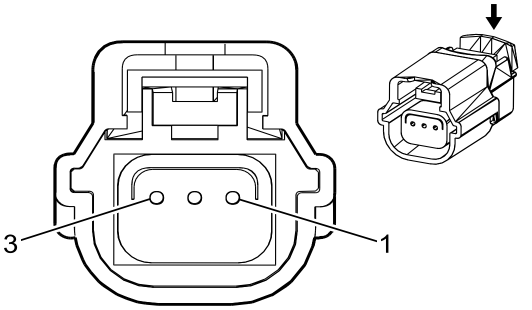
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B306F Parking Assist Sensor - Rear Left Middle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Control	I	—
2	0.5	YE/WH	2377	Right Rear Middle Object Sensor Signal	I	—
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	—

B306H Parking Assist Sensor - Rear Right Outer



1846469

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13512481
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series, Sealed (BK)

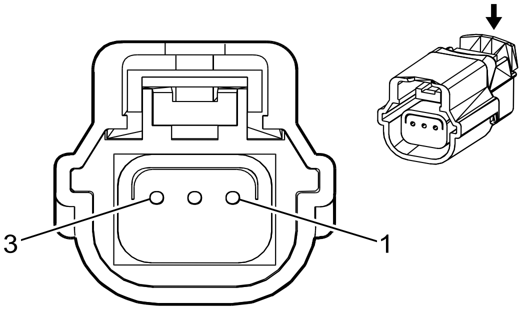
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B306H Parking Assist Sensor - Rear Right Outer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Control	I	—
2	0.5	YE/VT	2378	Right Rear Corner Object Sensor Signal	I	—
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	—

B306K Parking Assist Sensor - Side Left Front



1846469

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13512481
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series, Sealed (BK)

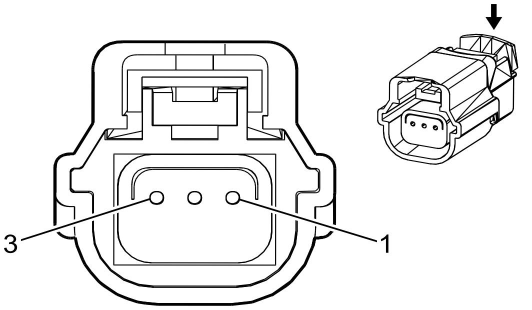
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B306K Parking Assist Sensor - Side Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/GN	5213	Front Parking Left/Right/Mid Sensor	I	—
2	0.5	GY	3154	Left Front Supplemental Object Sensor Signal	I	—
3	0.5	BK/BU	5214	Front Parking Sensor Low Reference	I	—

B306L Parking Assist Sensor - Side Right Front



1846469

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13512481
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series, Sealed (BK)

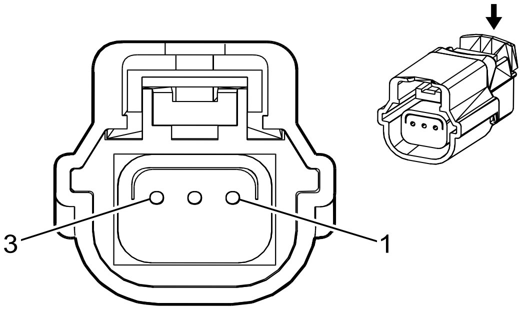
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B306L Parking Assist Sensor - Side Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/GN	5213	Front Parking Left/Right/Mid Sensor	I	—
2	0.5	GN	3155	Right Front Supplemental Object Sensor Signal	I	—
3	0.5	BK/BU	5214	Front Parking Sensor Low Reference	I	—

B306M Parking Assist Sensor - Side Left Rear



1846469

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13512481
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series, Sealed (BK)

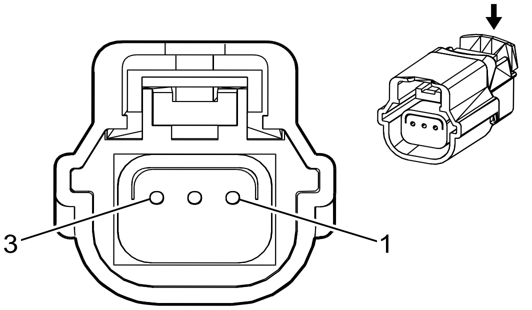
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B306M Parking Assist Sensor - Side Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Control	I	—
2	0.5	GN	3156	Left Rear Supplemental Object Sensor Signal	I	—
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	—

B306N Parking Assist Sensor - Side Right Rear



Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13512481
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series, Sealed (BK)

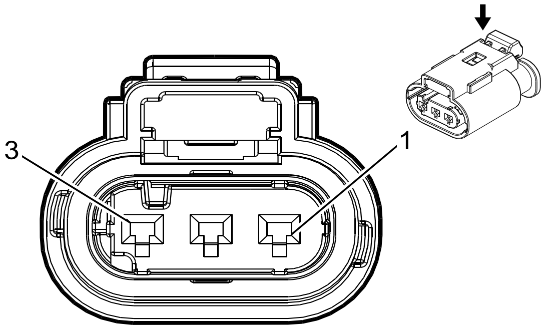
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B306N Parking Assist Sensor - Side Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Control	I	—
2	0.5	BU	3157	Right Rear Supplemental Object Sensor Signal	I	—
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	—

B310 Fuel Pressure/Temperature Sensor (L83/L86)



3240107

Connector Part Information

Harness Type: Fuel Injector Odd
OEM Connector: 10010344
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.2 Multilock Series, Sealed (BK)

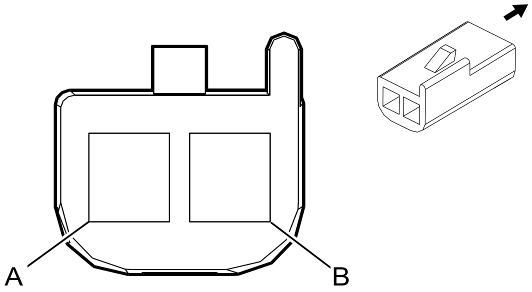
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

B310 Fuel Pressure/Temperature Sensor (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/GN	2919	Fuel Rail Pressure Sensor Low Reference	I	—
2	0.5	BU/WH	2918	Fuel Rail Pressure Sensor Signal	I	—
3	0.5	BN/RD	2917	Fuel Rail Pressure Sensor 5V Reference	I	—

E1A Accent Lamp - Driver Seat



82383

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 12047662
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 Metri-Pack Series (BK)

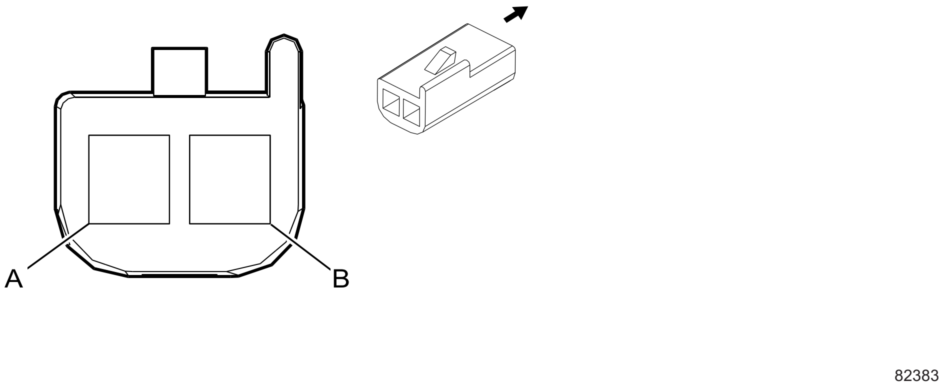
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1A Accent Lamp - Driver Seat

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	GY	157	Interior Lamp Control	I	—
B	0.35	BK	1150	Ground	I	—

E1AA Floor Accent Lamp - Left Front



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 12047662
Service Connector: 12085535
Description: 2-Way F 150 Metri-Pack Series (BK)

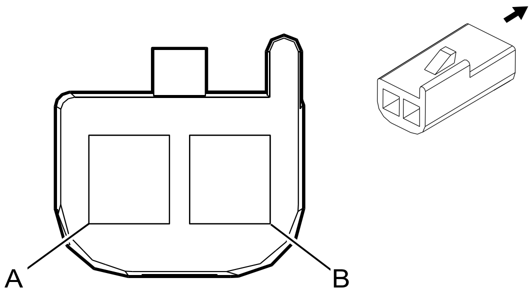
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1AA Floor Accent Lamp - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/YE	7557	LED Ambient Lighting Control 1	I	—
B	0.35	BK/WH	1851	Signal Ground	I	—

E1AB Floor Accent Lamp - Right Front



82383

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 12047662
Service Connector: 12085535
Description: 2-Way F 150 Metri-Pack Series (BK)

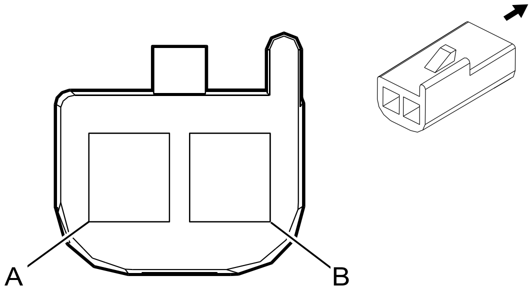
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1AB Floor Accent Lamp - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/YE	7557	LED Ambient Lighting Control 1	I	—
B	0.75	BK	1050	Ground	I	—

E1B Accent Lamp - Passenger Seat



82383

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 12047662
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 Metri-Pack Series (BK)

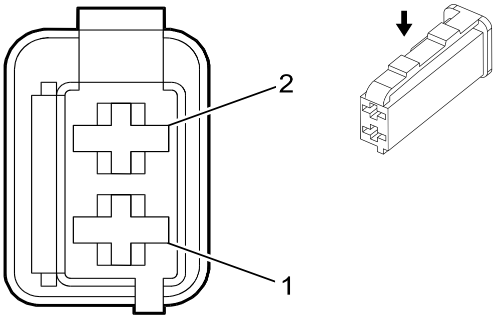
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1B Accent Lamp - Passenger Seat

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	GY	157	Interior Lamp Control	I	—
B	0.35	BK	1250	Ground	I	—

E1C Accent Lamp - Driver Door Handle



2339593

Connector Part Information

Harness Type: Driver Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

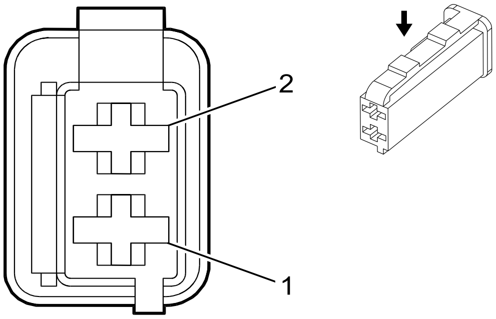
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1C Accent Lamp - Driver Door Handle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1150	Ground	I	—

E1D Accent Lamp - Driver Door



2339593

Connector Part Information

Harness Type: Driver Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

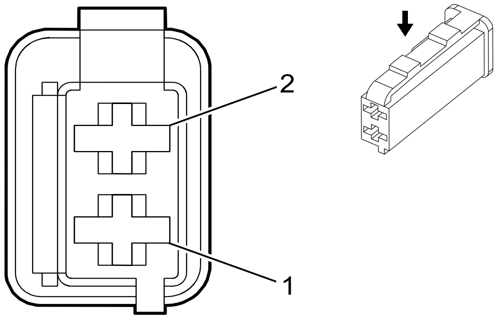
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1D Accent Lamp - Driver Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1150	Ground	I	—

E1E Accent Lamp - Left Rear Door Handle (X88/Z88)



2339593

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

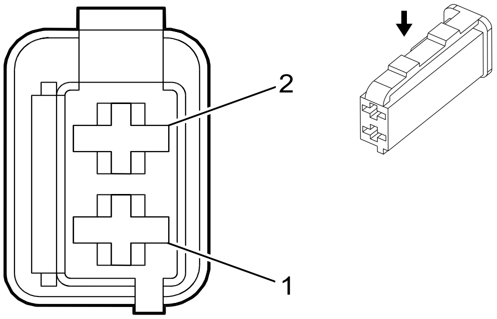
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1E Accent Lamp - Left Rear Door Handle (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.5	BK	1150	Ground	I	—

E1E Accent Lamp - Left Rear Door Handle (Z75+ULT)



2339593

Connector Part Information

Harness Type: Left Rear Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

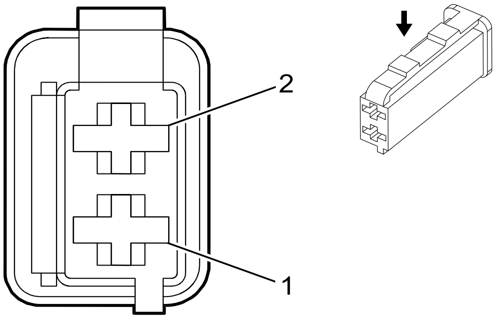
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1E Accent Lamp - Left Rear Door Handle (Z75+ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1150	Ground	I	—

E1F Accent Lamp - Right Rear Door Handle (X88/Z88)



2339593

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

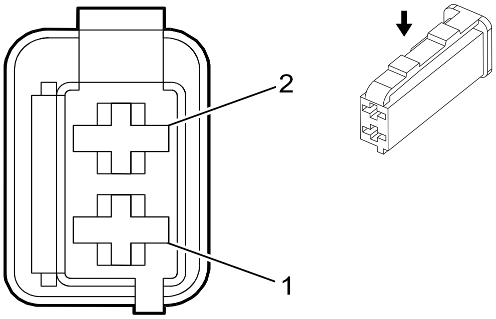
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1F Accent Lamp - Right Rear Door Handle (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.5	BK	1250	Ground	I	—

E1F Accent Lamp - Right Rear Door Handle (Z75)



2339593

Connector Part Information

Harness Type: Right Rear Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

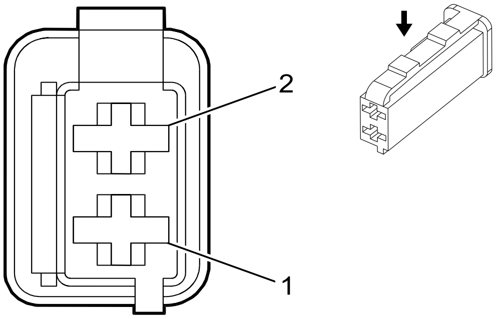
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1F Accent Lamp - Right Rear Door Handle (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1250	Ground	I	—

E1LR Accent Lamp - Left Rear Door



2339593

Connector Part Information

Harness Type: Left Rear Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

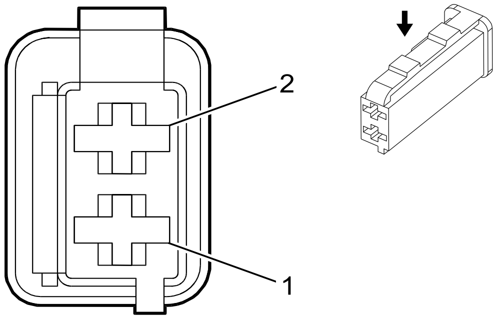
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1LR Accent Lamp - Left Rear Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1150	Ground	I	—

E1M Accent Lamp - Passenger Door Handle



2339593

Connector Part Information

Harness Type: Passenger Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

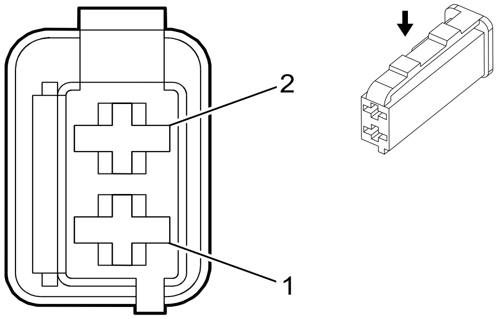
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1M Accent Lamp - Passenger Door Handle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1250	Ground	I	—

E1P Accent Lamp - Passenger Door



2339593

Connector Part Information

Harness Type: Passenger Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

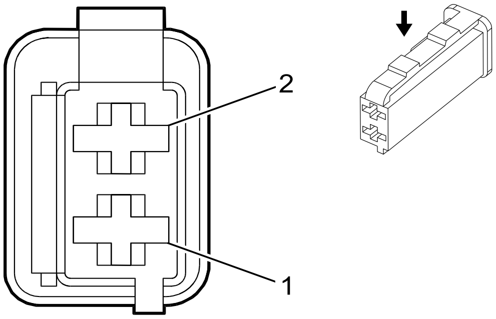
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1P Accent Lamp - Passenger Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1250	Ground	I	—

E1RR Accent Lamp - Right Rear Door



2339593

Connector Part Information

Harness Type: Right Rear Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

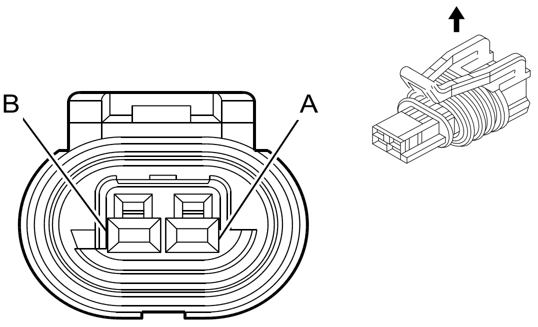
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1RR Accent Lamp - Right Rear Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1250	Ground	I	—

E6 Center High Mounted Stop Lamp



1538760

Connector Part Information

Harness Type: Center High Mount Stop Lamp Jumper
OEM Connector: 15449028
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series, Sealed (BK)

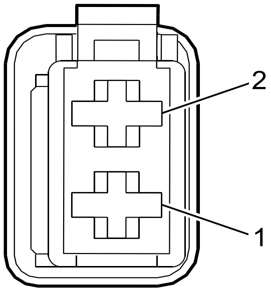
Terminal Part Information

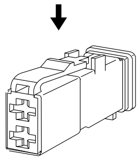
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E6 Center High Mounted Stop Lamp

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	VT/WH	5065	Stop Lamp Relay Coil Control	I	—
B	0.5	BK	1450	Ground	I	—

E7L License Plate Lamp - Left





1974969

Connector Part Information

Harness Type: Liftgate
OEM Connector: 10787633
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 Timer Series (GY)

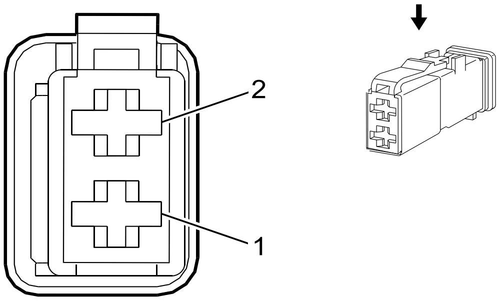
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E7L License Plate Lamp - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/YE	6846	Rear License Lamp Control	I	—
2	0.5	BK	1450	Ground	I	—

E7R License Plate Lamp - Right



1974969

Connector Part Information

Harness Type: Liftgate
OEM Connector: 10787633
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 Timer Series (GY)

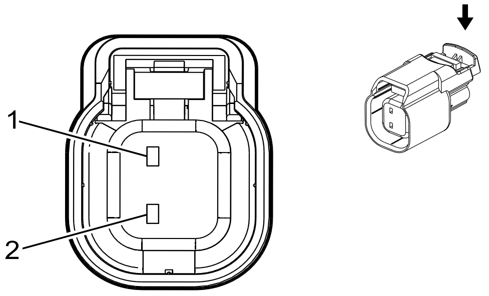
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E7R License Plate Lamp - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/YE	6846	Rear License Lamp Control	I	—
2	0.5	BK	1450	Ground	I	—

E8A Door Sill Plate Lamp - Driver



2792100

Connector Part Information

Harness Type: Body
OEM Connector: 13828712
Service Connector: 19300543
Description: 2-Way F 1.5 Series, Sealed (BK)

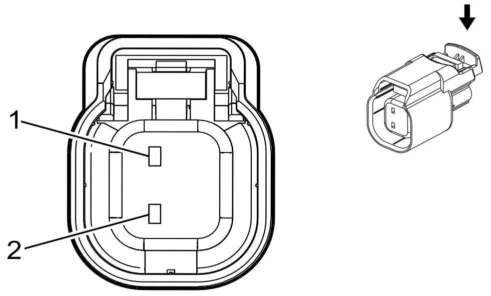
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E8A Door Sill Plate Lamp - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY	157	Interior Lamp Control	I	—
2	0.5	BK	1150	Ground	I	—

E8B Door Sill Plate Lamp - Passenger



2792100

Connector Part Information

Harness Type: Body
OEM Connector: 13828712
Service Connector: 19300543
Description: 2-Way F 1.5 Series, Sealed (BK)

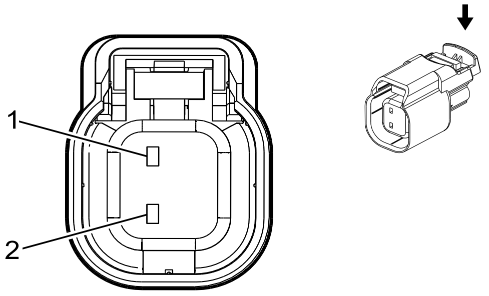
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E8B Door Sill Plate Lamp - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY	157	Interior Lamp Control	I	—
2	0.5	BK	1250	Ground	I	—

E8Q Door Sill Plate Lamp - Left Rear



2792100

Connector Part Information

Harness Type: Body
OEM Connector: 13828712
Service Connector: 19300543
Description: 2-Way F 1.5 Series, Sealed (BK)

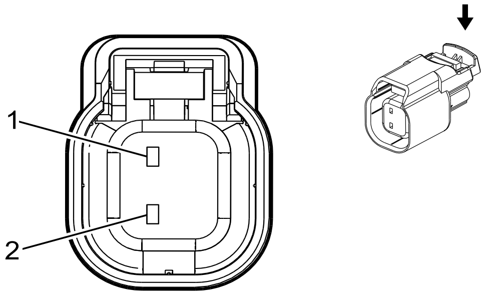
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E8Q Door Sill Plate Lamp - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY	157	Interior Lamp Control	I	—
2	0.5	BK	1150	Ground	I	—

E8R Door Sill Plate Lamp - Right Rear



2792100

Connector Part Information

Harness Type: Body
OEM Connector: 13828712
Service Connector: 19300543
Description: 2-Way F 1.5 Series, Sealed (BK)

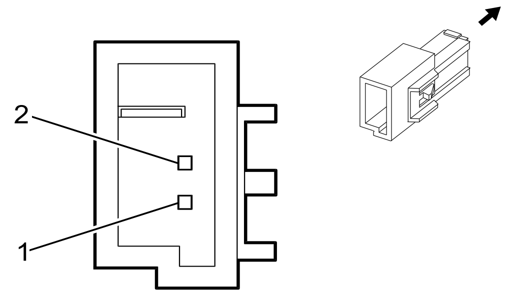
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E8R Door Sill Plate Lamp - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY	157	Interior Lamp Control	I	—
2	0.5	BK	1250	Ground	I	—

E14A Seat Heating Element - Driver Back (KB6)



2179778

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: AIT2WSB-02A-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 0.64 Series (BK)

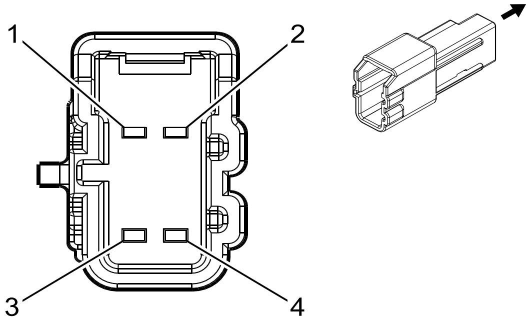
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14A Seat Heating Element - Driver Back (KB6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN	2432	Driver Heated Back Element Control	I	—
2	0.75	BK	1150	Ground	I	—

E14A Seat Heating Element - Driver Back (KQV)



4166306

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 6098-7781
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.2 Series (GY)

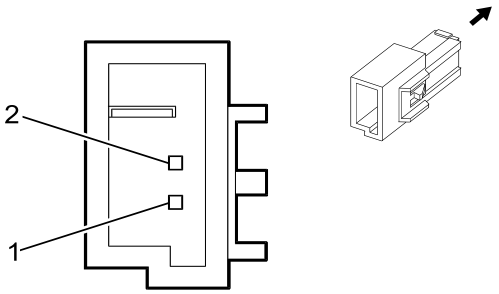
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14A Seat Heating Element - Driver Back (KQV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN	2432	Driver Heated Back Element Control	I	—
2	0.5	BU	2425	Driver Heated Back NTC Signal	I	—
3	0.5	BK/YE	2080	Driver Heated Seat NTC Low Reference	I	—
4	0.75	BN/BK	2078	Driver Heated Seat Element Low Reference	I	—

E14B Seat Heating Element - Driver Cushion (KB6)



2179778

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: AIT2WSB-02A-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 0.64 Series (BK)

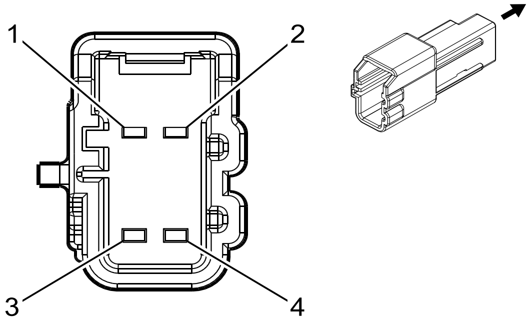
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14B Seat Heating Element - Driver Cushion (KB6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/VT	2077	Driver Heated Seat Element Control	I	—
2	0.75	BK	1150	Ground	I	—

E14B Seat Heating Element - Driver Cushion (KQV)



4210503

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 6098-7779
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.2 Series (BK)

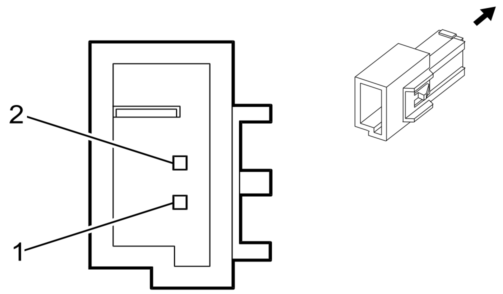
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14B Seat Heating Element - Driver Cushion (KQV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/VT	2077	Driver Heated Seat Element Control	I	—
2	0.5	YE/GY	2079	Driver Heated Seat NTC Signal	I	—
3	0.5	BN/YE	2080	Driver Heated Seat NTC Low Reference	I	—
4	0.75	BN/BK	2078	Driver Heated Seat Element Low Reference	I	—

E14B Seat Heating Element - Driver Cushion (-KQV/KB6)



2179778

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: AIT2WSB-02A-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 0.64 Series (BK)

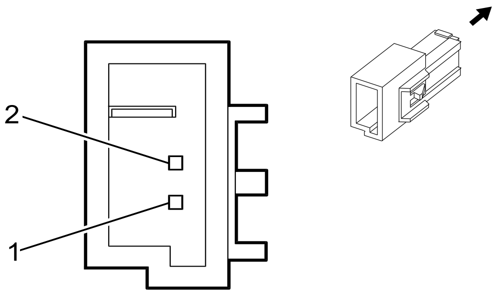
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14B Seat Heating Element - Driver Cushion (-KQV/KB6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/VT	2077	Driver Heated Seat Element Control	I	—
2	0.75	BK	1150	Ground	I	—

E14C Seat Heating Element - Passenger Back (KB6)



2179778

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: AIT2WSB-02A-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 0.64 Series (BK)

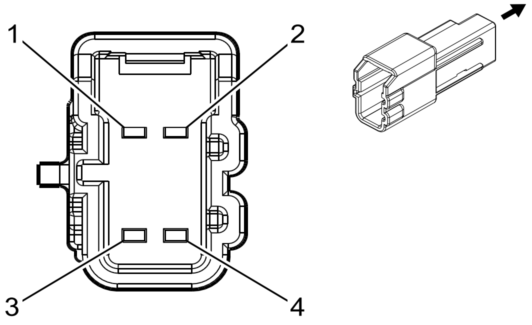
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14C Seat Heating Element - Passenger Back (KB6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/BN	2481	Passenger Heated Back Element Control	I	—
2	0.75	BK	1250	Ground	I	—

E14C Seat Heating Element - Passenger Back (KQV)



4166306

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 6098-7781
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.2 Series (GY)

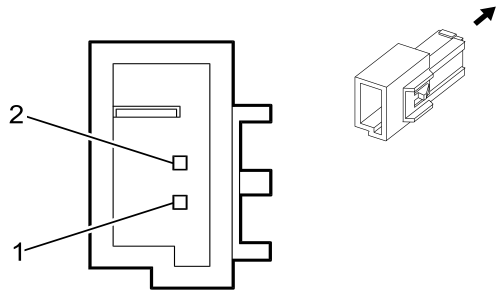
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14C Seat Heating Element - Passenger Back (KQV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/BN	2481	Passenger Heated Back Element Control	I	—
2	0.5	WH/BU	2436	Passenger Heated Back NTC Signal	I	—
3	0.5	BK/GN	2482	Passenger Heated Back NTC Low Reference	I	—
4	0.75	GY/BK	2480	Passenger Heated Seat Element Low Reference	I	—

E14D Seat Heating Element - Passenger Cushion (KB6+ULT)



2179778

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: AIT2WSB-02A-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 0.64 Series (BK)

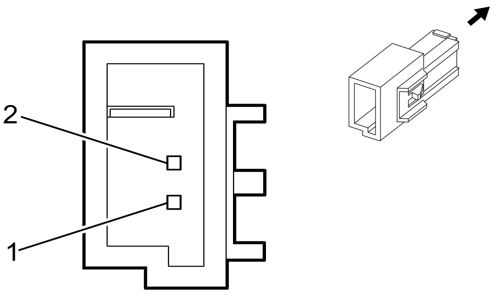
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14D Seat Heating Element - Passenger Cushion (KB6+ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/BU	2479	Passenger Heated Seat Element Control	I	—
2	0.75	BK	1250	Ground	I	—

E14D Seat Heating Element - Passenger Cushion (KB6-ULT)



2179778

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: AIT2WSB-02A-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 0.64 Series (BK)

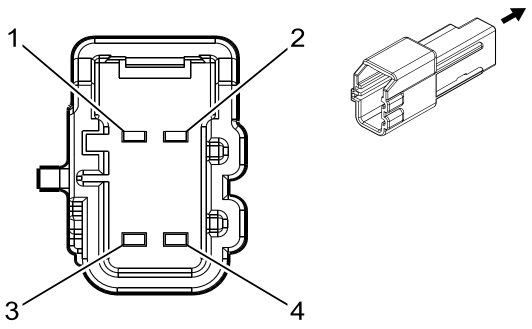
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14D Seat Heating Element - Passenger Cushion (KB6-ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/BU	2479	Passenger Heated Seat Element Control	I	—
2	0.75	BK	1250	Ground	I	—

E14D Seat Heating Element - Passenger Cushion (KQV)



4210503

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 6098-7779
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.2 Series (BK)

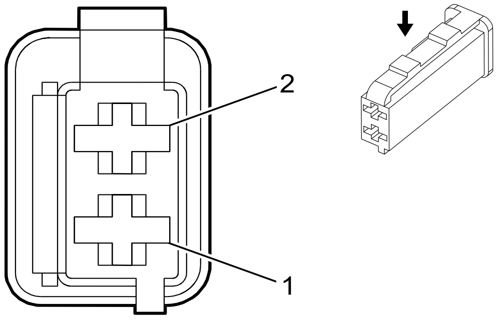
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14D Seat Heating Element - Passenger Cushion (KQV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/BU	2479	Passenger Heated Seat Element Control	I	—
2	0.5	WH/GY	2434	Passenger Heated Seat NTC Signal	I	—
3	0.5	BK/GY	2435	Passenger Heated Seat NTC Low Reference	I	—
4	0.75	GY/BK	2480	Passenger Heated Seat Element Low Reference	I	—

E1E Accent Lamp - Left Rear Door Handle (X88/Z88)



2339593

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

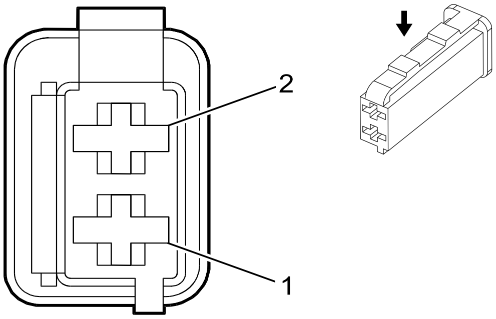
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1E Accent Lamp - Left Rear Door Handle (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.5	BK	1150	Ground	I	—

E1E Accent Lamp - Left Rear Door Handle (Z75+ULT)



2339593

Connector Part Information

Harness Type: Left Rear Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

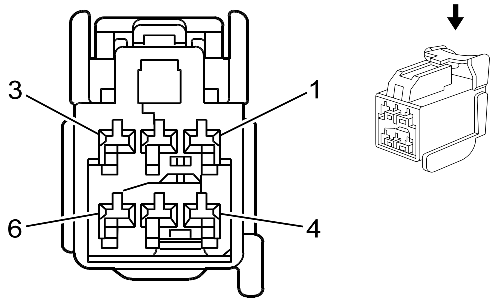
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1E Accent Lamp - Left Rear Door Handle (Z75+ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1150	Ground	I	—

E1E Accent Lamp - Left Rear Door Handle (Z75-ULT)



1283897

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 10846805
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 1.5 Kaizen Series (L-GY)

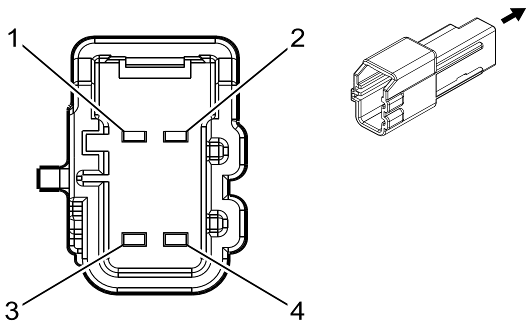
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E1E Accent Lamp - Left Rear Door Handle (Z75-ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
3	0.75	GN/BK	116	Left Rear Speaker Signal (-)	II	—
4	—	—	—	Not Occupied	—	—
5	0.5	BK	1150	Ground	I	—
6	0.75	GN	199	Left Rear Speaker Control (+)	II	—

E14F Seat Heating Element - Left Rear Cushion (KA6/KB6)



4210503

Connector Part Information

Harness Type: Left Rear Seat
OEM Connector: 6098-7779
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.2 Series (BK)

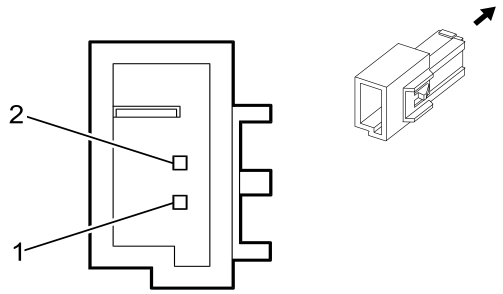
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14F Seat Heating Element - Left Rear Cushion (KA6/KB6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY	2294	Left Rear Heated Seat Cushion Element Control	I	—
2	0.5	BU/YE	2299	Left Rear Heated Seat Sensor Signal	I	—
3	0.5	BK/BU	2298	Left Rear Heated Seat Sensor Low Reference	I	—
4	0.75	BN/BK	2295	Left Rear Heated Seat Cushion Element Low Reference	I	—

E14F Seat Heating Element - Left Rear Cushion (KA6/Z75)



2179778

Connector Part Information

Harness Type: Left Rear Seat
OEM Connector: AIT2WSB-02A-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 0.64 Series (BK)

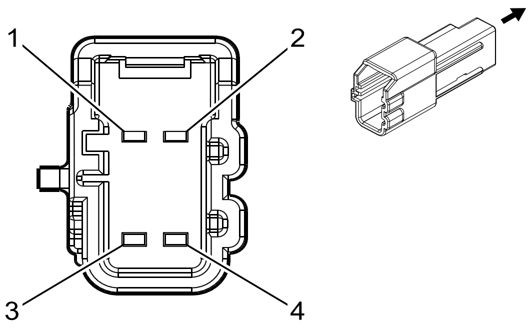
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14F Seat Heating Element - Left Rear Cushion (KA6/Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY	2294	Left Rear Heated Seat Cushion Element Control	I	—
2	0.75	BK	1150	Ground	I	—

E14H Seat Heating Element - Right Rear Cushion (X88/Z88)



4210503

Connector Part Information

Harness Type: Right Rear Seat
OEM Connector: 6098-7779
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.2 Series (BK)

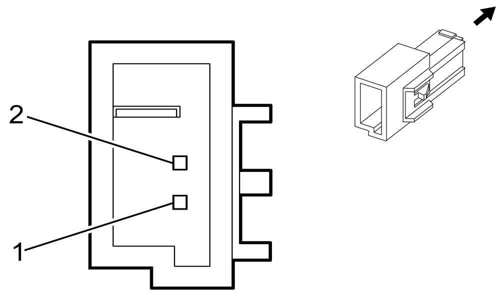
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14H Seat Heating Element - Right Rear Cushion (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GN/BN	2296	Right Rear Heated Seat Cushion Element Control	I	—
2	0.5	BU/GN	2300	Right Rear Heated Seat Sensor Signal	I	—
3	0.5	BK/GY	2301	Right Rear Heated Seat Sensor Low Reference	I	—
4	0.75	GN/BK	2297	Right Rear Heated Seat Cushion Element Low Reference	I	—

E14H Seat Heating Element - Right Rear Cushion (Z75)



2179778

Connector Part Information

Harness Type: Right Rear Seat
OEM Connector: AIT2WSB-02A-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 0.64 Series (BK)

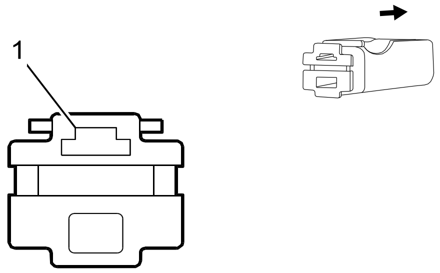
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14H Seat Heating Element - Right Rear Cushion (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GN/BN	2296	Right Rear Heated Seat Cushion Element Control	I	—
2	0.75	BK	1250	Ground	I	—

E18 Rear Defogger Grid X1



1413086

Connector Part Information

Harness Type: Liftgate
OEM Connector: 13511619
Service Connector: Service by Harness - See Part Catalog
Description: 1-Way F 250 Series (BK)

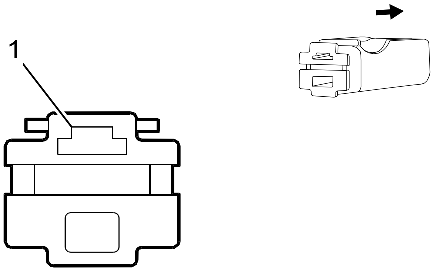
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E18 Rear Defogger Grid X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2	BK	1450	Ground	I	—

E18 Rear Defogger Grid X2



1413086

Connector Part Information

Harness Type: Liftgate
OEM Connector: 13511619
Service Connector: Service by Harness - See Part Catalog
Description: 1-Way F 250 Series (BK)

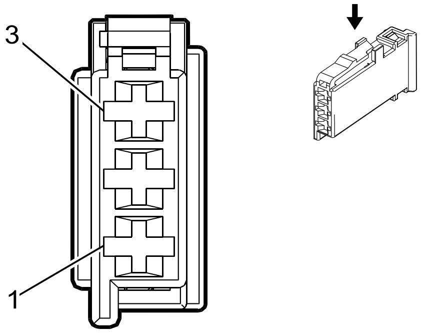
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E18 Rear Defogger Grid X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2	BN/VT	293	Rear Defog Element Control	I	—

E28 Center Console Compartment Lamp



2039656

Connector Part Information

Harness Type: Floor Console
OEM Connector: 10865339
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.6 Micro-Timer Series (BK)

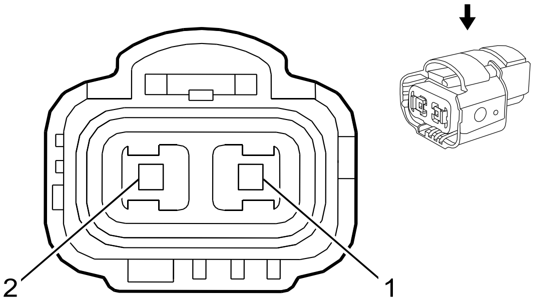
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E28 Center Console Compartment Lamp

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BN	6815	Inadvertent Power Control	I	—
2	0.75	BK	1050	Ground	I	—
3	—	—	—	Not Occupied	—	—

E29LF Fog Lamp - Left Front



2891749

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13873770
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

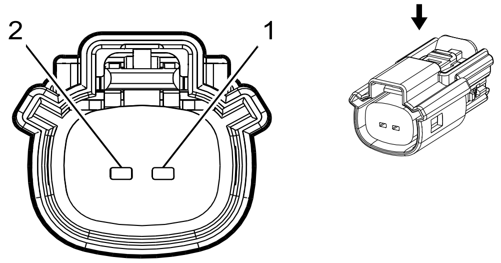
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E29LF Fog Lamp - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/VT	2234	Front Fog Lamp Control	I	—
2	0.5	BK	150	Ground	I	—

E29LR Fog Lamp - Left Rear (X88/Z88+T79)



2474713

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13866728
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

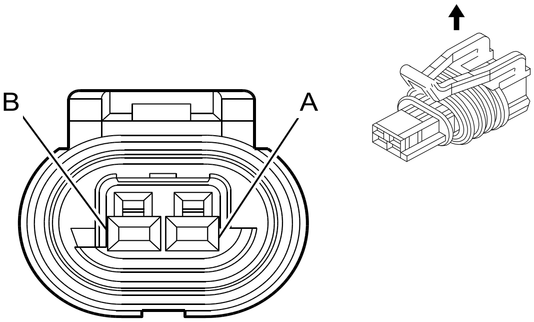
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E29LR Fog Lamp - Left Rear (X88/Z88+T79)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/GY	122	Rear Fog Lamp Control	I	—
2	0.5	BK	1450	Ground	I	—

E29LR Fog Lamp - Left Rear (Z75+T79)



Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 15449028
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series, Sealed (BK)

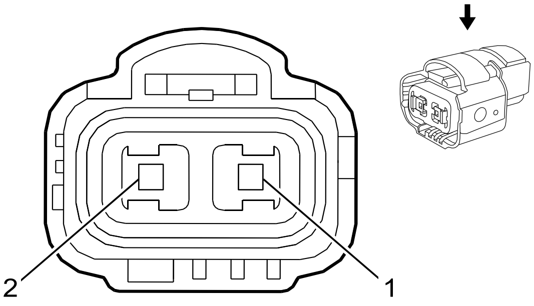
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E29LR Fog Lamp - Left Rear (Z75+T79)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/GY	122	Rear Fog Lamp Control	I	—
B	0.5	BK	1450	Ground	I	—

E29RF Fog Lamp - Right Front



2891749

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13873770
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

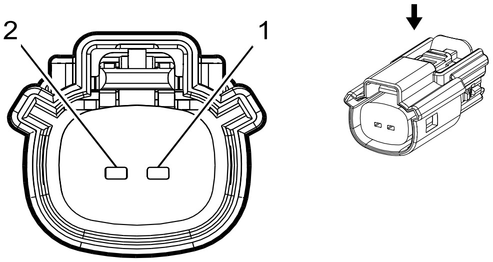
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E29RF Fog Lamp - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/VT	2234	Front Fog Lamp Control	I	—
2	0.5	BK	250	Ground	I	—

E29RR Fog Lamp - Right Rear (X88/Z88+T79)



2474713

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13866728
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

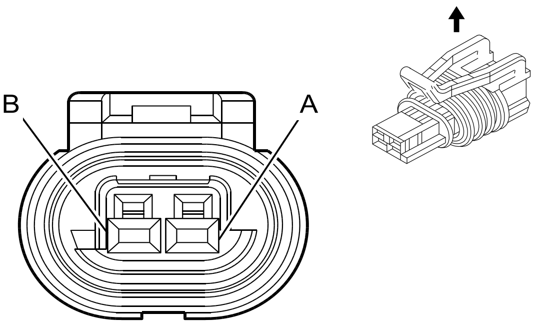
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E29RR Fog Lamp - Right Rear (X88/Z88+T79)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/GY	122	Rear Fog Lamp Control	I	—
2	0.5	BK	1450	Ground	I	—

E29RR Fog Lamp - Right Rear (Z75+T79)



1538760

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 15449028
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series, Sealed (BK)

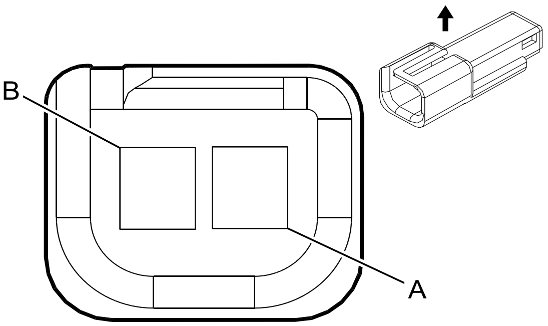
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E29RR Fog Lamp - Right Rear (Z75+T79)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/GY	122	Rear Fog Lamp Control	I	—
B	0.5	BK	1450	Ground	I	—

E31L Sunshade Mirror Lamp - Left



35441

Connector Part Information

Harness Type: Headliner
OEM Connector: 12047663
Service Connector: 13584278
Description: 2-Way M 150 Metri-Pack Series (BK)

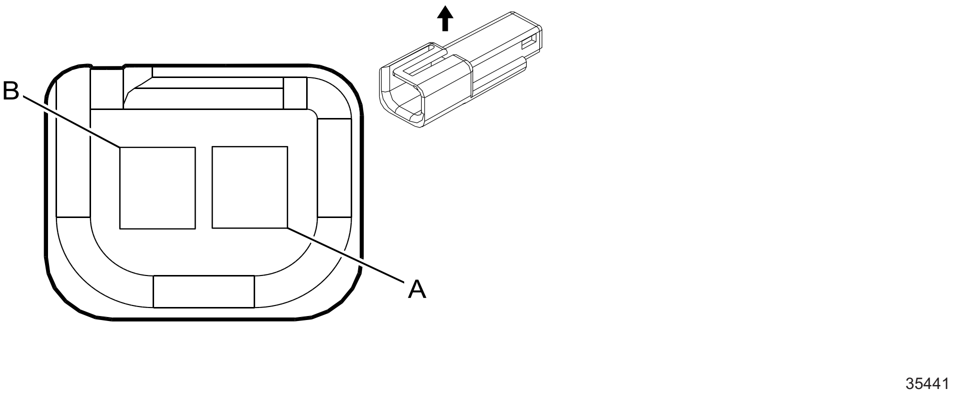
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E31L Sunshade Mirror Lamp - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BN	6815	Inadvertent Power Control	I	—
B	0.5	BK	1050	Ground	I	—

E31R Sunshade Mirror Lamp - Right



Connector Part Information

Harness Type: Headliner
OEM Connector: 12047663
Service Connector: 13584278
Description: 2-Way M 150 Metri-Pack Series (BK)

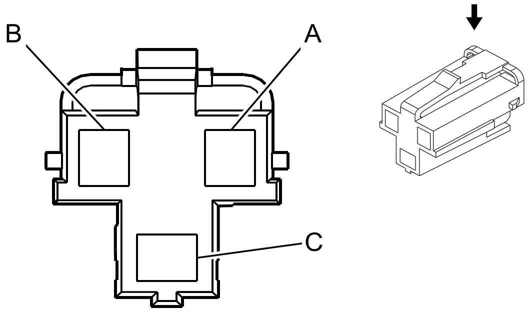
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E31R Sunshade Mirror Lamp - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BN	6815	Inadvertent Power Control	I	—
B	0.5	BK	1050	Ground	I	—

E32 Cigarette Lighter Receptacle



362748

Connector Part Information

Harness Type: Floor Console Extension
OEM Connector: 12176836
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 280 Metri-Pack Series (GY)

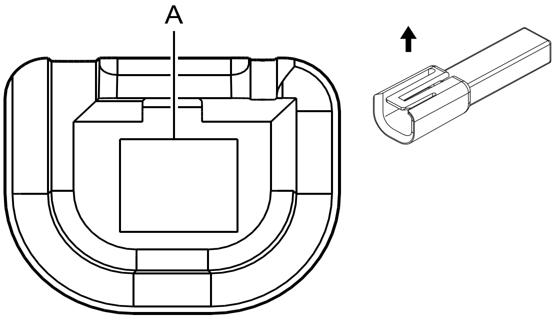
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E32 Cigarette Lighter Receptacle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	RD/WH	1040	Battery Positive Voltage	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	1050	Ground	I	—

E35L Exterior Spot Lamp - Left



611495

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 12047683
Service Connector: 12101828
Description: 1-Way M 150 Metri-Pack Series (BK)

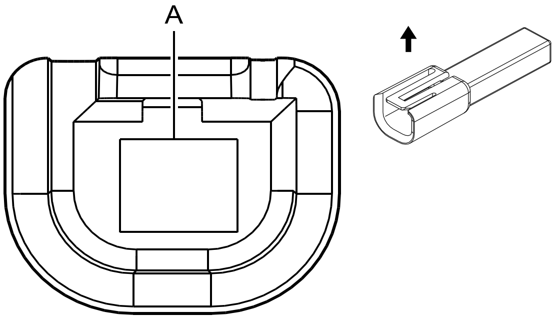
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E35L Exterior Spot Lamp - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	RD/VT	4640	Battery Positive Voltage	I	—

E35R Exterior Spot Lamp - Right



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 12047683
Service Connector: 12101828
Description: 1-Way M 150 Metri-Pack Series (BK)

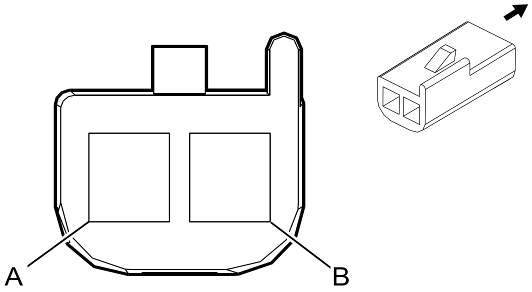
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E35R Exterior Spot Lamp - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	RD/GY	4140	Battery Positive Voltage	I	—

E36AH Dome Lamp



82383

Connector Part Information

Harness Type: Dome Lamp Jumper
OEM Connector: 12047662
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 Metri-Pack Series (BK)

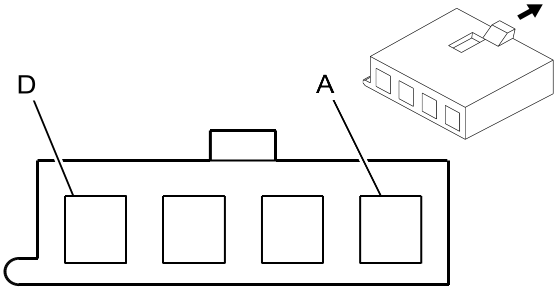
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E36AH Dome Lamp

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	GY	157	Interior Lamp Control	I	—
B	0.5	BK	1450	Ground	I	—

E37B Dome/Reading Lamps - 2nd Row



287981

Connector Part Information

Harness Type: Headliner
OEM Connector: 12092162
Service Connector: 15306021
Description: 4-Way F 150 Metri-Pack Series (BK)

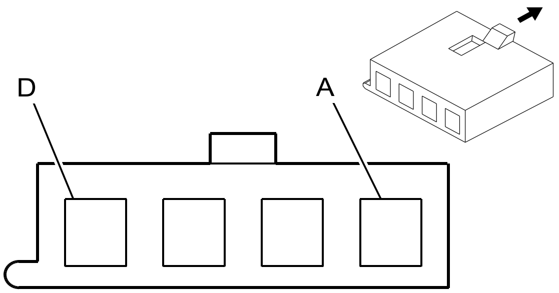
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E37B Dome/Reading Lamps - 2nd Row

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BN	6815	Inadvertent Power Control	I	—
B	0.5	BK	1050	Ground	I	—
C	0.5	GY	157	Interior Lamp Control	I	—
D	0.5	YE	6817	LED Backlight Dimming Control	I	—

E37C Dome/Reading Lamps - 3rd Row



287981

Connector Part Information

Harness Type: Headliner
OEM Connector: 12092162
Service Connector: 15306021
Description: 4-Way F 150 Metri-Pack Series (BK)

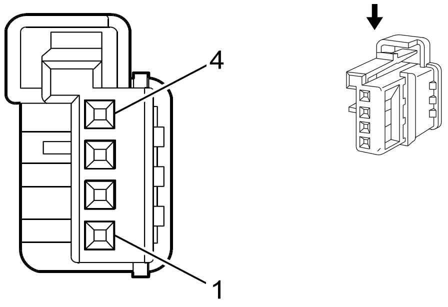
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E37C Dome/Reading Lamps - 3rd Row

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BN	6815	Inadvertent Power Control	I	—
B	0.5	BK	1050	Ground	I	—
C	0.5	GY	157	Interior Lamp Control	I	—
D	0.5	YE	6817	LED Backlight Dimming Control	I	—

E37EL Dome/Reading Lamps - Front Overhead Console Left



2904464

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 10812166
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Micro-Quadlock Series (GY)

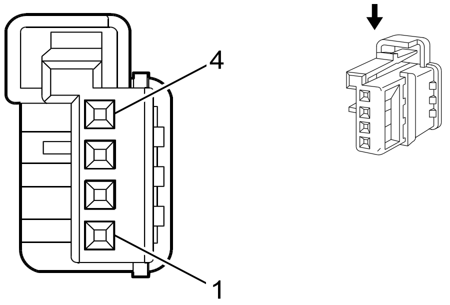
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E37EL Dome/Reading Lamps - Front Overhead Console Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	—
2	0.5	WH/BN	6815	Inadvertent Power Control	I	—
3	0.5	GY	157	Interior Lamp Control	I	—
4	0.5	BK	1050	Ground	I	—

E37ER Dome/Reading Lamps - Front Overhead Console Right



2904464

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 10812166
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Micro-Quadlock Series (GY)

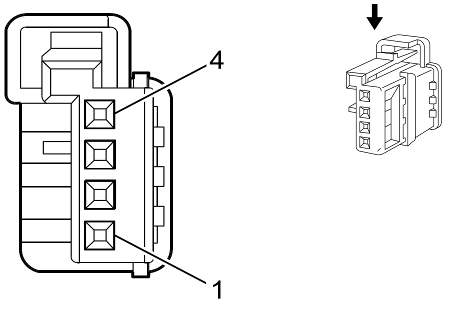
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E37ER Dome/Reading Lamps - Front Overhead Console Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	—
2	0.5	WH/BN	6815	Inadvertent Power Control	I	—
3	0.5	GY	157	Interior Lamp Control	I	—
4	0.5	BK	1050	Ground	I	—

E37H Dome/Reading Lamps - Left Roof Rail



2904464

Connector Part Information

Harness Type: Headliner
OEM Connector: 10812166
Service Connector: 19119349
Description: 4-Way F 0.64 Micro-Quadlock Series (GY)

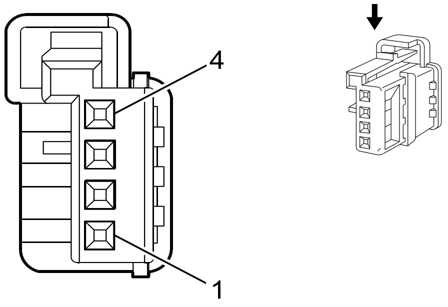
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E37H Dome/Reading Lamps - Left Roof Rail

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	6817	LED Backlight Dimming Control	I	—
2	0.5	WH/BN	6815	Inadvertent Power Control	I	—
3	0.5	GY	157	Interior Lamp Control	I	—
4	0.5	BK	1050	Ground	I	—

E37J Dome/Reading Lamps - Right Roof Rail



2904464

Connector Part Information

Harness Type: Headliner
OEM Connector: 10812166
Service Connector: 19119349
Description: 4-Way F 0.64 Micro-Quadlock Series (GY)

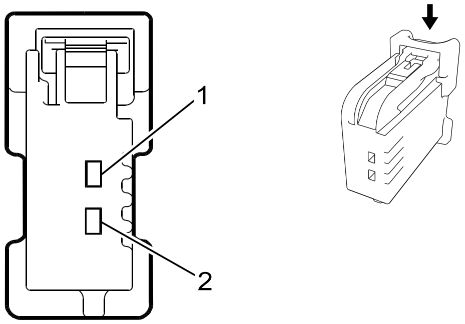
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E37J Dome/Reading Lamps - Right Roof Rail

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	6817	LED Backlight Dimming Control	I	—
2	0.5	WH/BN	6815	Inadvertent Power Control	I	—
3	0.5	GY	157	Interior Lamp Control	I	—
4	0.5	BK	1050	Ground	I	—

E38 Flood Lamp - Center Console



2173586

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 13595207
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series (BK)

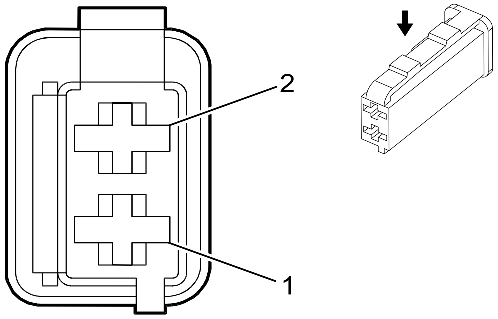
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E38 Flood Lamp - Center Console

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/GN	7558	LED Ambient Lighting Control 2	I	—
2	0.35	BK	1050	Ground	I	—

E55LR Flood Lamp - Left Rear Door Pocket



2339593

Connector Part Information

Harness Type: Left Rear Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

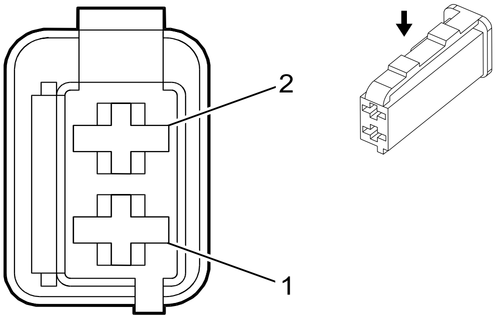
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E55LR Flood Lamp - Left Rear Door Pocket

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1150	Ground	I	—

E55RR Flood Lamp - Right Rear Door Pocket



2339593

Connector Part Information

Harness Type: Right Rear Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

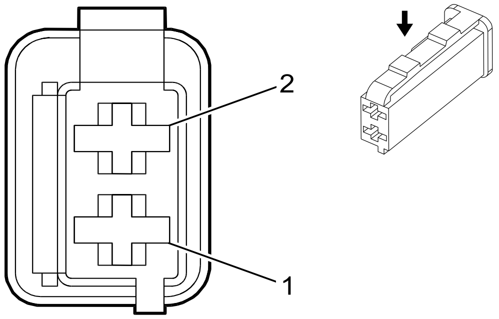
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E55RR Flood Lamp - Right Rear Door Pocket

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1250	Ground	I	—

E63D Flood Lamp - Driver Door Handle



2339593

Connector Part Information

Harness Type: Driver Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

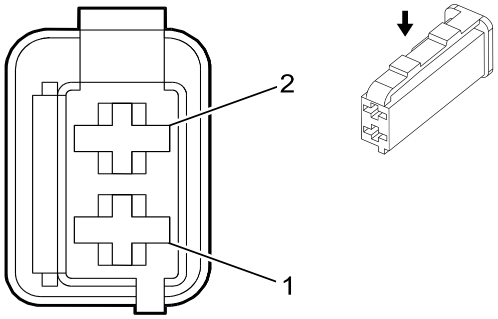
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E63D Flood Lamp - Driver Door Handle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1150	Ground	I	—

E63P Flood Lamp - Passenger Door Handle



2339593

Connector Part Information

Harness Type: Passenger Door Trim
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

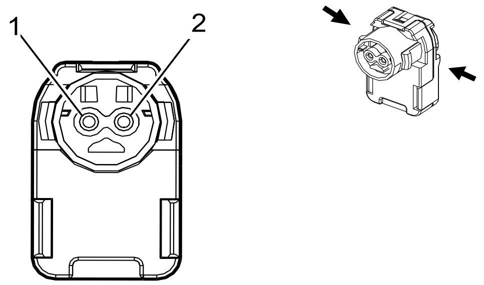
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E63P Flood Lamp - Passenger Door Handle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	—
2	0.35	BK	1250	Ground	I	—

F101 Passenger Instrument Panel Air Bag X1



2891112

Connector Part Information

Harness Type: Passenger Airbag
OEM Connector: 13577892
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Series, Sealed (YE)

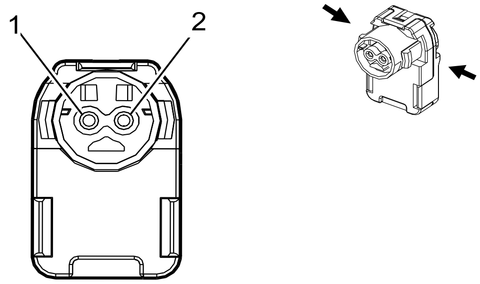
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

F101 Passenger Instrument Panel Air Bag X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE/OG	3025	Passenger IP Module Stage 1 High Control	I	—
2	0.35	OG/WH	3024	Passenger IP Module Stage 1 Low Control	I	—

F101 Passenger Instrument Panel Air Bag X2



2891112

Connector Part Information

Harness Type: Passenger Airbag
OEM Connector: 13577892
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Series, Sealed (YE)

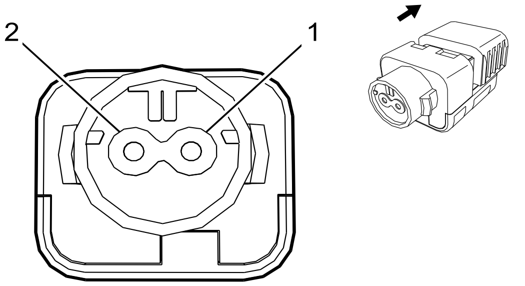
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

F101 Passenger Instrument Panel Air Bag X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/OG	3027	Passenger IP Module Stage 2 High Control	I	—
2	0.35	OG/VT	3026	Passenger IP Module Stage 2 Low Control	I	—

F105L Roof Rail Air Bag - Left



2282927

Connector Part Information

Harness Type: Driver Roof Rail Air Bag Jumper
OEM Connector: 19153419
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F FPB 180-1 Series (BK with YE Cover)

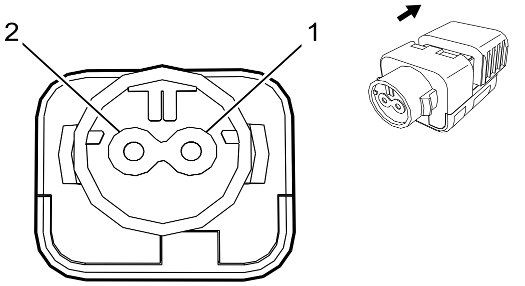
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

F105L Roof Rail Air Bag - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN	5019	Left Front Head Curtain Module High Control	I	—
2	0.35	WH	5020	Left Front Head Curtain Module Low Control	I	—

F105R Roof Rail Air Bag - Right



2282927

Connector Part Information

Harness Type: Driver Roof Rail Air Bag Jumper
OEM Connector: 19153419
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F FPB 180-1 Series (BK with YE Cover)

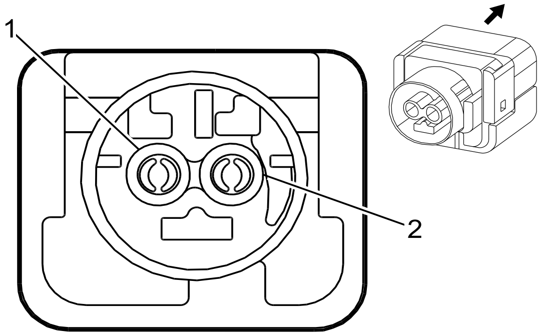
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

F105R Roof Rail Air Bag - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN	5021	Right Front Head Curtain Module High Control	I	—
2	0.35	WH	5022	Right Front Head Curtain Module Low Control	I	—

F106D Seat Side Air Bag - Driver (ULT)



2231620

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: PPI0001142
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F FPB 180-1 Series (BK with YE Cover)

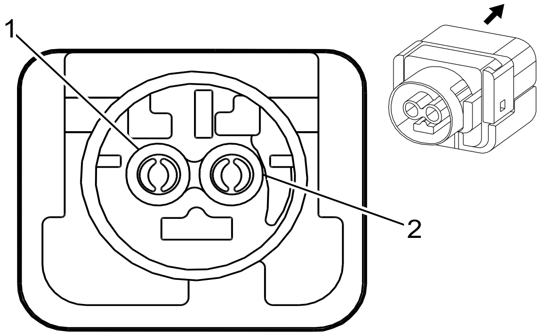
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

F106D Seat Side Air Bag - Driver (ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/BU	3068	Driver Side Impact Module High Control	I	—
2	0.5	GN/OG	3069	Driver Side Impact Module Low Control	I	—

F106D Seat Side Air Bag - Driver (-ULT)



2231620

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: PPI0001142
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F FPB 180-1 Series (BK with YE Cover)

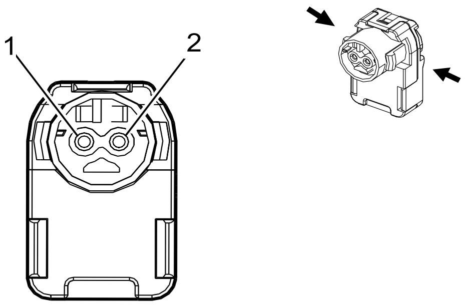
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

F106D Seat Side Air Bag - Driver (-ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/BU	3068	Driver Side Impact Module High Control	I	—
2	0.5	GN/OG	3069	Driver Side Impact Module Low Control	I	—

F106DA Seat Side Air Bag - Driver Inboard



2845588

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: PPI0001722
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Series, Sealed (L-GN with YE Cover)

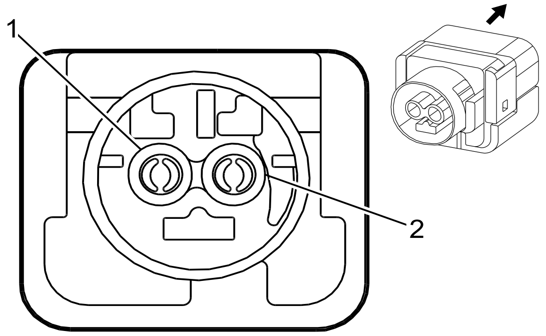
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

F106DA Seat Side Air Bag - Driver Inboard

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	4107	Center Side Impact Module High Control	I	—
2	0.5	VT	4106	Center Side Impact Module Low Control	I	—

F106P Seat Side Air Bag - Passenger



2231620

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: PPI0001142
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F FPB 180-1 Series (BK with YE Cover)

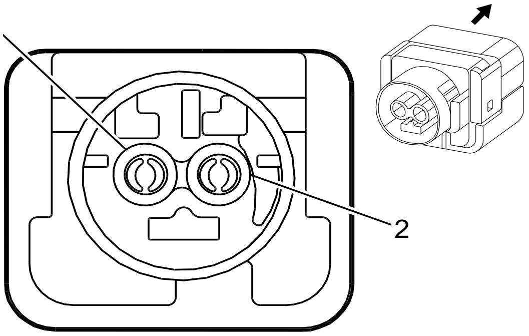
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

F106P Seat Side Air Bag - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/GY	3066	Passenger Side Impact Module High Control	I	—
2	0.5	BN/OG	3067	Passenger Side Impact Module Low Control	I	—

F106P Seat Side Air Bag - Passenger (ULT)



2231620

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: E04326900
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F

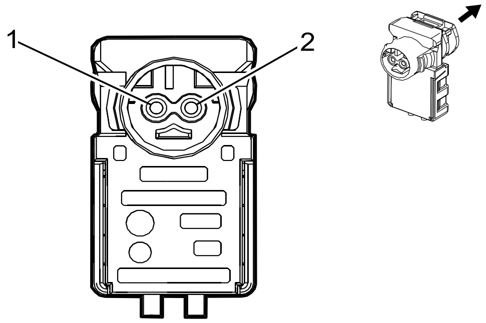
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

F106P Seat Side Air Bag - Passenger (ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/GY	3066	Passenger Side Impact Module High Control	I	—
2	0.5	BN/OG	3067	Passenger Side Impact Module Low Control	I	—

F107 Steering Wheel Air Bag X1



3214032

Connector Part Information

Harness Type: Steering Wheel Air Bag
OEM Connector: 13580454
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F AK-2 Series (L-GN with YE Cover)

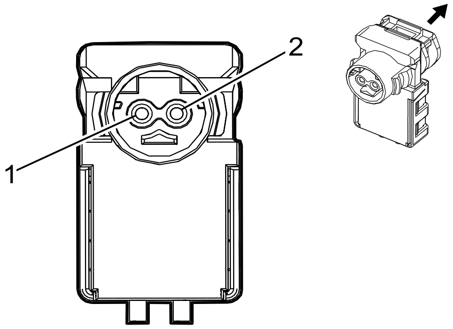
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

F107 Steering Wheel Air Bag X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	TN/	3021	Steering Wheel Module Stage 1 High Control	I	—
2	0.35	BN/	3020	Steering Wheel Module Stage 1 Low Control	I	—

F107 Steering Wheel Air Bag X2



3214033

Connector Part Information

Harness Type: Steering Wheel Air Bag
OEM Connector: 13580453
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F AK-2 Series (YE with YE Cover)

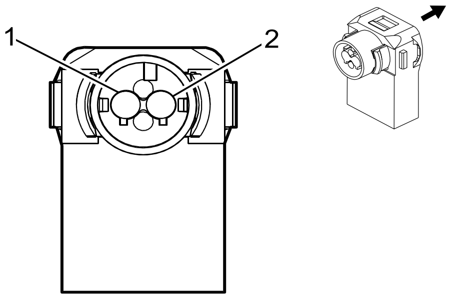
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

F107 Steering Wheel Air Bag X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/	3023	Steering Wheel Module Stage 2 High Control	I	—
2	0.35	PK/	3022	Steering Wheel Module Stage 2 Low Control	I	—

F112D Seat Belt Retractor Pretensioner - Driver X1



4241364

Connector Part Information

Harness Type: Body
OEM Connector: 33345778
Service Connector: 19355490
Description: 2-Way F ABX-5 Series (PU with YE Cover)

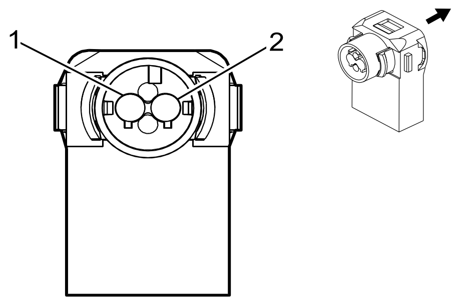
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

F112D Seat Belt Retractor Pretensioner - Driver X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD	3477	Driver Seat Belt Retractor Pretensioner High Control	I	—
2	0.5	GY	3478	Driver Seat Belt Retractor Pretensioner Low Control	I	—

F112P Seat Belt Retractor Pretensioner - Passenger X1



4241364

Connector Part Information

Harness Type: Body
OEM Connector: 33345778
Service Connector: 19355490
Description: 2-Way F ABX-5 Series (PU with YE Cover)

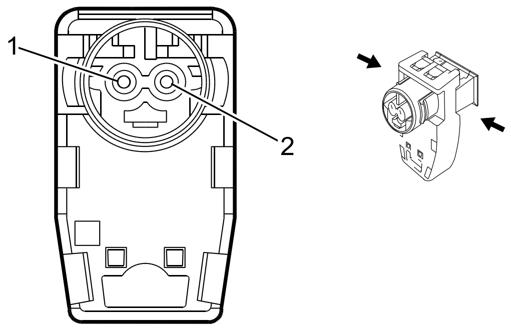
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

F112P Seat Belt Retractor Pretensioner - Passenger X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN	3475	Passenger Seat Belt Retractor Pretensioner High Control	I	—
2	0.5	WH	3476	Passenger Seat Belt Retractor Pretensioner Low Control	I	—

F113D Seat Belt Anchor Pretensioner - Driver



2368877

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: PPI0001721
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Series, Sealed (BK with YE Cover)

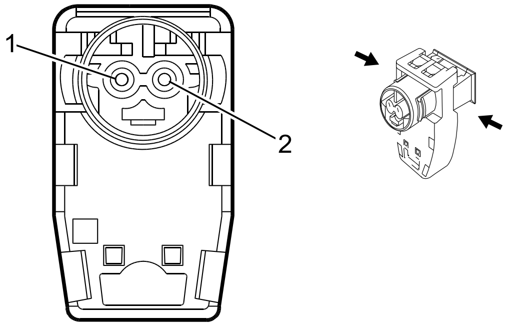
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

F113D Seat Belt Anchor Pretensioner - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/YE	3481	Driver Seat Belt Anchor Pretensioner High Control	I	—
2	0.5	YE/OG	3482	Driver Seat Belt Anchor Pretensioner Low Control	I	—

F113P Seat Belt Anchor Pretensioner - Passenger



2368877

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: PPI0001721
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Series, Sealed (BK with YE Cover)

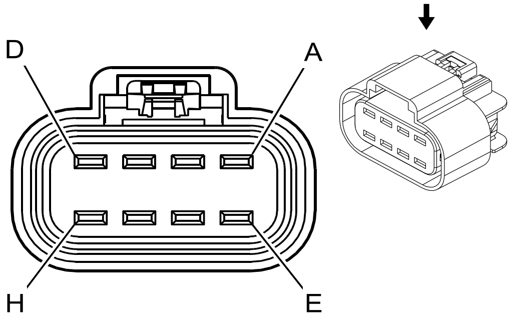
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

F113P Seat Belt Anchor Pretensioner - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/BN	3479	Passenger Seat Belt Anchor Pretensioner High Control	I	—
2	0.5	GY/OG	3480	Passenger Seat Belt Anchor Pretensioner Low Control	I	—

G3 Air Suspension Compressor



646372

Connector Part Information

Harness Type: Chassis
OEM Connector: 15326654
Service Connector: 88986254
Description: 8-Way F 280 GT Series, Sealed (BK)

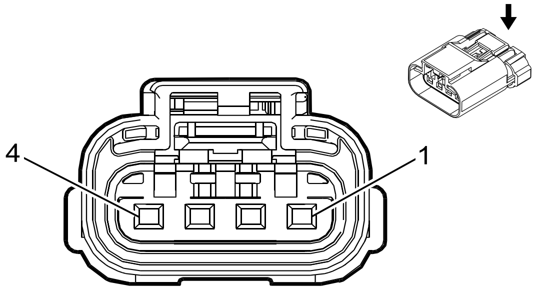
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

G3 Air Suspension Compressor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/GN	6075	Real Time Damping Air Pressure Sensor Signal	I	—
B	0.75 0.75	RD/GN WH/BU	2440 3261	Battery Positive Voltage Automatic Level Control Exhaust Solenoid Control	I I	Z85 Z95
C	0.75	WH/GN	320	Automatic Level Control Exhaust Solenoid Control	I	—
D	—	—	—	Not Occupied	—	—
E	2.5	WH/VT	2248	Real Time Damping Leveling Motor Control	I	—
F	0.5	BK/YE	6077	Real Time Damping Air Pressure Sensor Low Reference	I	—
G	2.5	BK	1750	Ground	I	—
H	0.5	BU/RD	6076	Real Time Damping Air Pressure Sensor 5V Reference	I	—

G10L Cooling Fan Motor - Left



4732789

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33234243
Service Connector: 19367553
Description: 4-Way F 2.8 APEX Series, Sealed (BK)

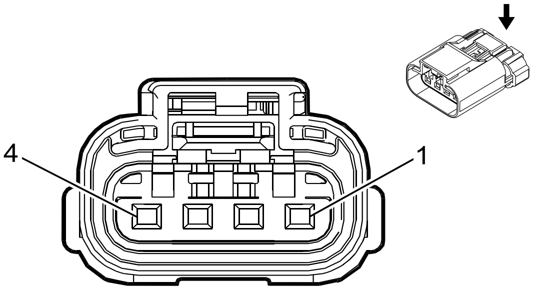
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

G10L Cooling Fan Motor - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	4	BK	150	Ground	II	—
2	4	RD/WH	342	Battery Positive Voltage	II	—
3	—	—	—	Not Occupied	—	—
4	0.5	BN/YE	473	High Speed Cooling Fan Relay Control	I	—

G10R Cooling Fan Motor - Right



4732789

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33234243
Service Connector: 19367553
Description: 4-Way F 2.8 APEX Series, Sealed (BK)

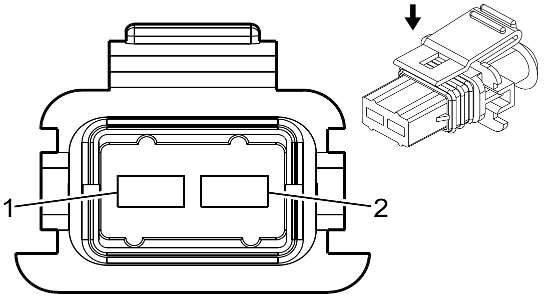
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

G10R Cooling Fan Motor - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	4	BK	250	Ground	II	—
2	4	RD/GY	642	Battery Positive Voltage	II	—
3	—	—	—	Not Occupied	—	—
4	0.5	BN/YE	473	High Speed Cooling Fan Relay Control	I	—

G13 Generator X1



1522871

Connector Part Information

Harness Type: Engine
OEM Connector: 12186308
Service Connector: 13585849
Description: 2-Way F Junior Power Timer Series, Sealed (BK)

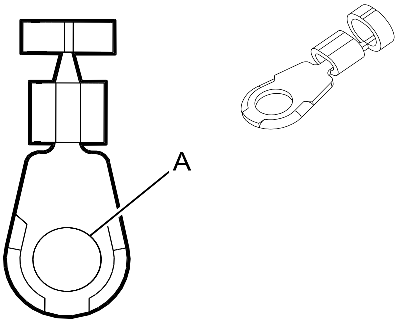
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

G13 Generator X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	25	Charge Indicator Control	I	—
2	0.5	GY	23	Generator Field Duty Cycle Signal	I	—

G13 Generator X2



3385519

Connector Part Information

Harness Type: Battery Cable
OEM Connector: 13584015
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

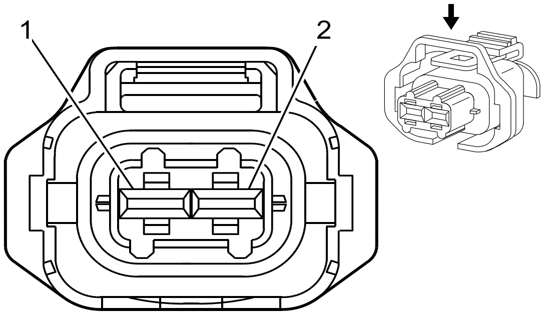
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

G13 Generator X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	25	RD/YE	2	Battery Positive Voltage	I	—

G18 High Pressure Fuel Pump (L83/L96)



784092

Connector Part Information

Harness Type: Fuel Injector Even
OEM Connector: 88988163
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 2.8 Kompakt Series, Sealed (BK)

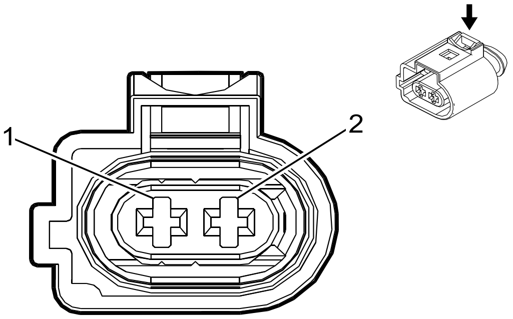
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Required	Not Required	Not Required	Not Required

G18 High Pressure Fuel Pump (L83/L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE	7301	High Pressure Fuel Pump Actuator High - Control	I	—
2	0.75	VT/BK	7300	High Pressure Fuel Pump Actuator Low - Control	I	—

G19 Rear Window Washer Pump



3277921

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13930731
Service Connector: 19301746
Description: 2-Way F 2.8 MCP Series, Sealed (NA)

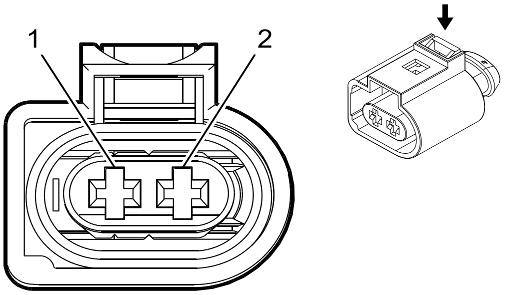
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

G19 Rear Window Washer Pump

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BU/VT	392	Rear Window Washer Pump Control	I	—
2	0.75	BK	150	Ground	I	—

G24 Windshield Washer Pump



2474738

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 10863916
Service Connector: 13576532
Description: 2-Way F 2.8 MDK5 Series, Sealed (BK)

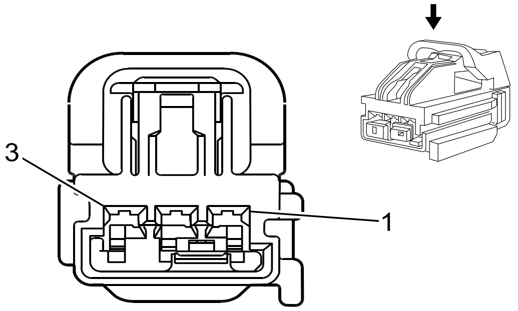
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

G24 Windshield Washer Pump

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY/VT	228	Windshield Washer Pump Control	I	—
2	0.75	BK	150	Ground	I	—

G31D Seat Lumbar/Bolster Pump - Driver



1787799

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7283-3440-40
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.5 Kaizen Series (L-GY)

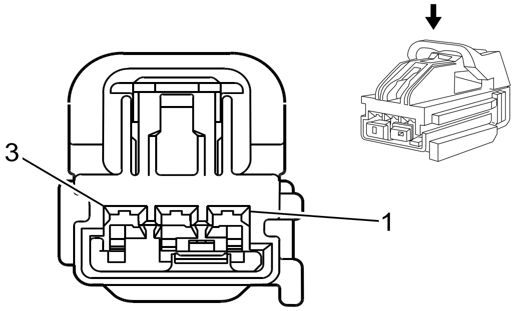
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

G31D Seat Lumbar/Bolster Pump - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT	901	—	I	—
2	0.5	BK	1150	Ground	I	—
3	0.5	GN	903	—	I	—

G31P Seat Lumbar/Bolster Pump - Passenger



1787799

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7283-3440-40
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.5 Kaizen Series (L-GY)

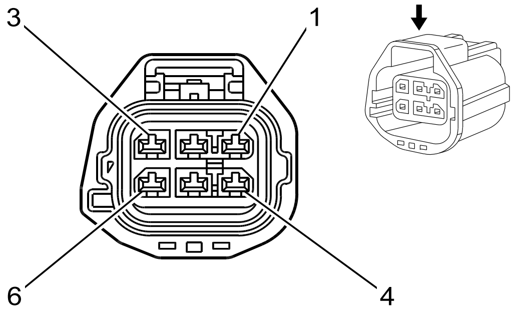
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

G31P Seat Lumbar/Bolster Pump - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT	901	—	I	—
2	0.5	BK	1250	Ground	I	—
3	0.5	GN	903	—	I	—

K4 Assist Step Control Module X1



1420587

Connector Part Information

Harness Type: Chassis
OEM Connector: 13573348
Service Connector: 19354363
Description: 6-Way F 2.8 Series, Sealed (D-GY)

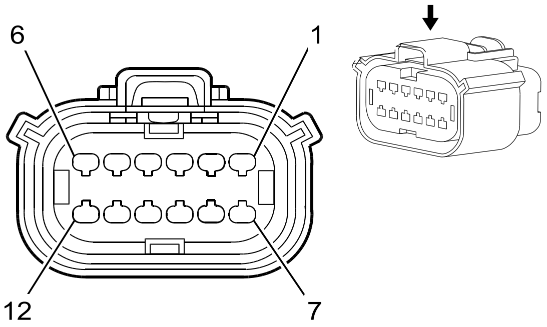
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K4 Assist Step Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2	GN	7469	Articulating Running Boards Motor Right Control Retract	I	—
2	2.5	BK	2150	Ground	II	—
3	2	WH/BN	7471	Articulating Running Boards Motor Left Control Extend	I	—
4	2	BU	7470	Articulating Running Boards Motor Right Control Extend	I	—
5	2.5	RD/YE	1142	Battery Positive Voltage	II	—
6	2	GY	7472	Articulating Running Boards Motor Left Control Retract	I	—

K4 Assist Step Control Module X2



1825165

Connector Part Information

Harness Type: Chassis
OEM Connector: 15525970
Service Connector: 19329931
Description: 12-Way F 1.5 Series, Sealed (BK)

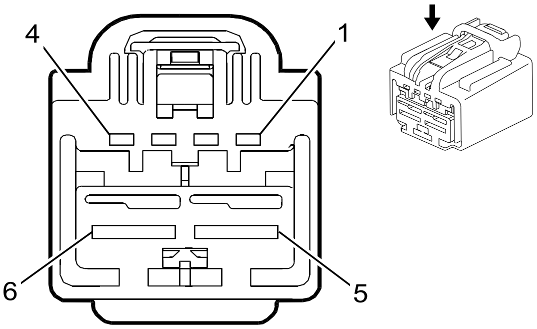
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

K4 Assist Step Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/RD	7468	Running Boards Motor Hall Sensor Left 5V Reference	I	—
2	0.5	GN/RD	7464	Running Boards Motor Hall Sensor Right 5V Reference	I	—
3	0.5	YE	7467	Running Boards Motor Hall Sensor Left Signal	I	—
4	0.5	VT	7465	Running Boards Motor Hall Sensor Right Signal	I	—
5	0.5	YE/BN	7466	Running Boards Motor Hall Sensor Left Low Reference	I	—
6	0.5	YE/BK	7463	Running Boards Motor Hall Sensor Right Low Reference	I	—
7	—	—	—	Not Occupied	—	—
8	0.5	GN	5060	Low Speed GMLAN Serial Data	I	—
9	—	—	—	Not Occupied	—	—
10	0.5	BN/WH	7462	Running Boards Disable Signal	I	—
11 - 12	—	—	—	Not Occupied	—	—

K8A Blower Motor Control Module - Auxiliary X1



1798802

Connector Part Information

Harness Type: Auxiliary HVAC
OEM Connector: 15226104
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F YESC Kaizen Series (BK)

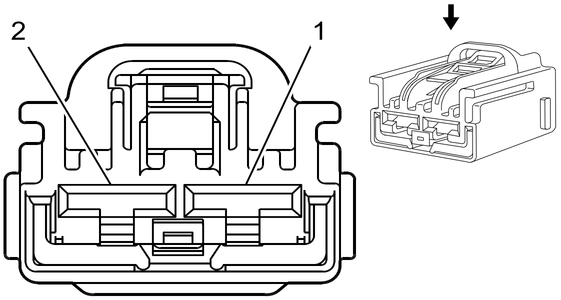
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K8A Blower Motor Control Module - Auxiliary X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.35	GN/BK	2211	Rear Blower Motor Speed Control	I	—
4	—	—	—	Not Occupied	—	—
5	2.5	BK	1450	Ground	I	—
6	2.5	RD/GY	1740	Battery Positive Voltage	I	—

K8A Blower Motor Control Module - Auxiliary X2



Connector Part Information

Harness Type: Auxiliary HVAC
OEM Connector: 15226103
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 6.3 Series (L-GY)

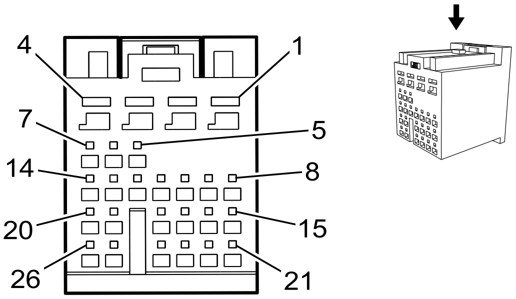
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K8A Blower Motor Control Module - Auxiliary X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	GY/BN	101	Blower Motor Control	I	—
2	2.5	BU/BK	5988	Rear Blower Motor Low Reference	I	—

K9 Body Control Module X1



2282907

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13943345
Service Connector: 13582966
Description: 26-Way F 0.64, 2.8 Series (NA)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575871	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	Delphi 20	C	A
II	13575871	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	Delphi 20	E	A
III	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
IV	13582298	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available

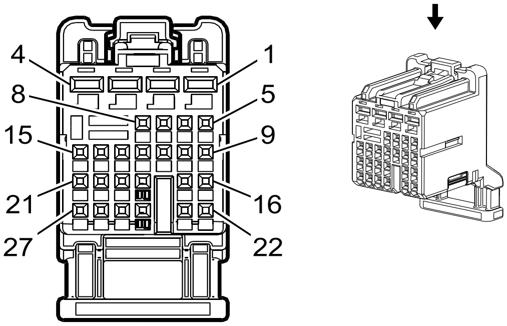
K9 Body Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	1850	Ground	II	—
2	0.75	RD/BU	2540	Battery Positive Voltage	II	—
3	1	RD/GY	2140	Battery Positive Voltage	I	—
4	0.5	RD/BN	2240	Battery Positive Voltage	II	—
5	0.5	WH	6816	Indicator Dimming Control	III	—
6	0.35	BN/WH	4046	Glove Box Door Release Relay Control	III	—
7	0.35	BK/YE	5005	Instrument Panel Lamp Dimmer Switch Low Reference	III	—
8	0.35	BN/BK	5720	Ignition Mode Switch Accessory LED Signal	III	—
9	—	—	—	Not Occupied	—	—
10	0.5	BU/VT	1134	Park Brake Switch Signal	III	—
11	0.35	GN/BN	306	Headlamp Switch Headlamps Off Signal Control	III	—
12	0.35	BU/GY	187	Rear Fog Lamp Switch Signal	III	—
13	0.35	BU/RD	1688	5V Reference	III	—
14	0.35	GY/GN	328	Interior Lamp Defeat Switch Signal	III	—

K9 Body Control Module X1 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
15	0.75 0.35	BU/GN BU/GY	6841 192	Rear Lamp Flasher Signal Front Fog Lamp Switch Signal	IV III	6J7 T3U
16	0.35	WH/VT	103	Headlamp Switch On Signal	III	—
17	—	—	—	Not Occupied	—	—
18	0.35	BU/VT	5904	Steering Column Lock Status Signal	III	—
19	0.35	BK/GN	552	Sensor Low Reference	III	—
20	0.35	BU/BK	5719	Ignition Mode Switch Start LED Signal	III	—
21	0.35	GY	728	Security Indicator Control	III	—
22	0.35	GN/GY	13	Headlamp Switch Park Lamp Signal	III	—
23	0.5	VT/GN	7558	LED Ambient Lighting Control 2	III	—
24	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	III	—
25	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	III	—
26	0.35	BU/WH	3275	Remote Function Actuator Receive Signal	III	—

K9 Body Control Module X2



2180237

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13943361
Service Connector: 13576637
Description: 27-Way F 0.64, 2.8 Series (L-BU)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575871	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	Delphi 20	E	A
II	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available

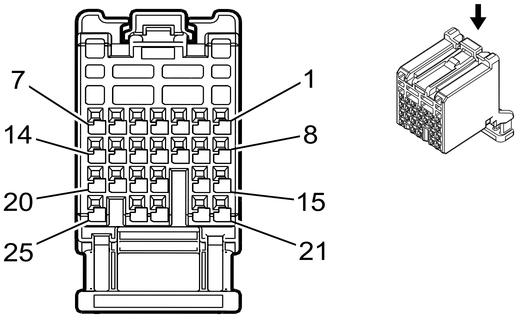
K9 Body Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/WH	2740	Battery Positive Voltage	I	—
2	0.75	BK	1850	Ground	I	—
3	0.5	RD/BN	2940	Battery Positive Voltage	I	—
4	0.75	RD/VT	4040	Battery Positive Voltage	I	—
5	—	—	—	Not Occupied	—	—
6	0.35	GY	5697	Child Lockout Indicator Control	II	—
7	0.35	WH/GN	526	Stop Lamp Switch Signal	II	—
8	0.5	YE	6817	LED Backlight Dimming Control	II	—
9	0.35	YE/GY	44	Instrument Panel Lamp Dimmer Switch Signal	II	—
10	0.35	WH/BU	278	Ambient Light Sensor Signal	II	—
11	—	—	—	Not Occupied	—	—
12	0.35	BN/BU	391	Rear Window Wiper Switch Signal	II	—
13	0.35	GY/RD	598	5V Reference	II	—
14	0.35	BU/VT	1788	Traction Control Switch Signal 1	II	—
15	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	II	—
16	0.35	GY	3273	Remote Function Actuator Low Reference	II	—
17	0.35	BU/GN	5723	Ignition Mode Switch Mode Voltage	II	—
18	0.35	GN/WH	4047	Glove Box Door Release Signal	II	—
19	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	II	—

K9 Body Control Module X2 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
20	0.5	WH/BU	3691	Trailer Brake Apply Signal	II	—
21	0.5	GN/GY	6135	Local Interconnect Network Serial Data Bus 4	II	—
22 - 24	—	—	—	Not Occupied	—	—
25	0.35	GY/WH	3272	Remote Function Actuator Control	II	—
26	0.35	GN/WH	111	Hazard Switch Signal	II	—
27	0.35	YE/GN	3274	Remote Function Actuator Transmit Signal	II	—

K9 Body Control Module X3



Connector Part Information

Harness Type: Steering Column
OEM Connector: HATTPB-25-3C-LM
Service Connector: Service by Harness - See Part Catalog
Description: 25-Way F 0.64 Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (L-BU)	J-38125–12A	SNAC3–A021T-M0.64	20	J	J

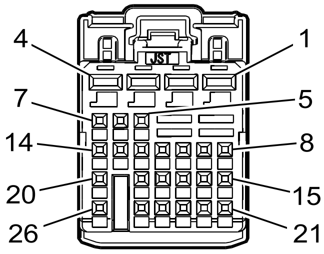
K9 Body Control Module X3

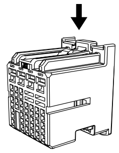
Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/GY	3277	Vehicle Anti-Theft System Immobilizer Low Reference	I	—
2	0.5	GN/VT	7533	Local Interconnect Network Serial Data Bus 11	I	—
3	0.5	GY/BK	3276	Vehicle Anti-Theft System Immobilizer Control	I	—
4	0.5	WH/RD	1444	12V Reference	I	—
5	0.5	VT/YE	4	Accessory Ignition Voltage	I	—
6	0.5	VT/BK	3	Run/Crank Ignition 1 Voltage	I	—
7 - 8	—	—	—	Not Occupied	—	—
9	0.5	BN/GN	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	—
10	0.5	BK/GY	6009	Windshield Wiper Switch Low Reference	I	—
11	0.5	WH	524	Headlamp Dimmer Switch High Beam Signal	I	—
12	0.5	WH/GN	663	Hazard Switch Left Turn Signal	I	—
13	0.5	YE/BU	1714	Windshield Wiper Switch Low Signal	I	—
14	0.5	BU/GY	553	Shift Select Switch Performance Signal	I	—
15	0.5	WH/VT	1020	Off/Run/Crank Ignition Voltage	I	—
16	0.5	GY/GN	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	—
17	0.5	YE/BN	307	Headlamp Switch Flash To Pass Signal	I	—
18	0.5	GN/WH	3287	Horn Switch Signal	I	—
19	0.5	GN/WH	7527	Local Interconnect Network Serial Data Bus 5	I	—
20	0.5	GY	1715	Windshield Wiper Switch High Signal	I	—

K9 Body Control Module X3 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
21	0.5	VT/YE	5526	Tap Up/Tap Down Switch Signal	I	—
22	0.5	WH/BK	1073	Ignition Key Resistor Signal	I	—
23	0.5	GY/YE	7595	Auto Wiper On Signal	I	—
24	0.5	VT/BU	664	Hazard Switch Right Turn Signal	I	—
25	0.5	WH/BK	94	Windshield Washer Switch Signal	I	—

K9 Body Control Module X4





3240145

Connector Part Information

Harness Type: Body
OEM Connector: 13962485
Service Connector: 13587579
Description: 26-Way F 0.64, 2.8 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575871	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	Delphi 20	E	A
II	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
III	13582298	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available

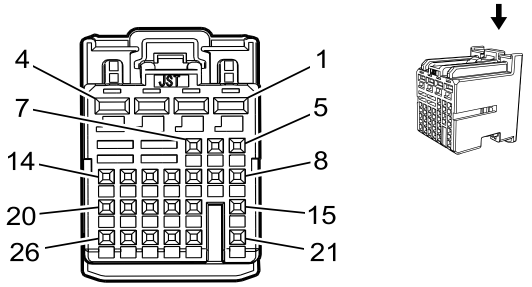
K9 Body Control Module X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE	712	Left Headlamp Low Beam Control	I	—
2	0.75	YE	312	Right Headlamp Low Beam Control	I	—
3	0.75	GN/VT	1315	Right Front Turn Signal Lamp Control	I	—
4	0.5	BN/GN	19	Right Rear Stop/Turn Lamp Control	I	—
5	0.75	WH/YE	7541	Right Rear Stop Lamp Control	III	—
6	0.75	GY/YE	7542	Left Rear Stop Lamp Control	III	—
7	0.75	GY/BU	7538	Left Front DRL Control	III	—
8	0.35	GY/YE	6188	Lift Glass/Rear Compartment Lid Motor Release Control	II	—
9 - 10	—	—	—	Not Occupied	—	—
11	0.5	VT/WH	5065	Stop Lamp Relay Coil Control	II	—
12	0.35	GY/VT	755	RAP Relay Coil Control	II	—
13	0.5	GN/YE	6846	Rear License Lamp Control	II	—
14	0.35	BN/GY	2268	Windshield Washer Relay Control	II	—
15	0.35	GN/VT	5199	Run/Crank Relay Coil Control	II	—
16	0.35	GY	91	Windshield Wiper Motor Relay Coil Control	II	—
17	0.5	BN/GN	196	Windshield Wiper Motor Park Switch Signal	II	—
18	0.35	WH/YE	5075	Current Sensor Signal	II	—

K9 Body Control Module X4 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
19	0.35	BU/YE	6844	ABS/TCS Hill Descent Control Switch Signal	II	—
20	0.75	RD/YE	2340	Battery Positive Voltage	III	—
21	0.35	BU/VT	5076	Current Sensor Control	II	—
22	0.35	VT/YE	5985	Accessory Wakeup Serial Data	II	—
23	0.5	WH/BU	5986	Serial Data Communication Enable	II	—
24	0.5	BN/GN	109	Hood Ajar Switch Signal	II	—
25	0.35	YE/BU	4086	Pushbutton Start Challenge Active Signal	II	—
26	0.75	BK/WH	451	Signal Ground	III	—

K9 Body Control Module X5



3240146

Connector Part Information

Harness Type: Body
OEM Connector: 13962299
Service Connector: 13587577
Description: 26-Way F 0.64, 2.8 Series (BN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575871	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	Delphi 20	E	A
II	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
III	13582298	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available

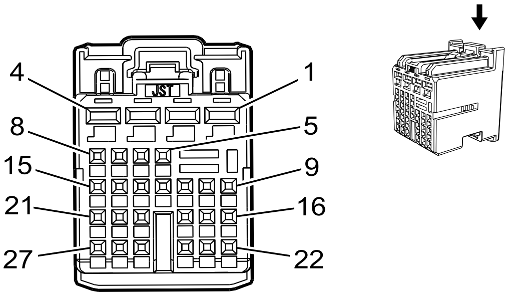
K9 Body Control Module X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BU	18	Left Rear Stop/Turn Lamp Control	I	—
2	0.75	BU/WH	1314	Left Front Turn Signal Lamp Control	I	—
3	0.75	RD/GN	5140	Battery Positive Voltage	I	—
4	0.75	RD/WH	3440	Battery Positive Voltage	I	—
5	0.35	YE/VT	317	Fog Lamp Relay Coil Control	II	—
6	0.35	BK/VT	5077	Current Sensor Low Reference	II	—
7	0.75	BU/BN	7539	Right Front DRL Control	III	—
8	0.35	BU/WH	5186	Left Trailer Turn Signal Lamp Control	II	—
9	0.35	GN/WH	2270	Rear Window Washer Relay Control	II	—
10	0.5	BN	1317	Fog Lamp Relay Control	II	—
11	0.35	GN/BN	5706	Endgate Latch Relay Control	II	—
12	0.35	WH/BU	6311	Cruise/ETC/TCC Brake Signal	II	—
13	0.35	BN/YE	1970	Headlamp Low Beam Relay Control	II	—
14	0.5	VT/BN	300	Run Ignition 3 Voltage	II	—
15	—	—	—	Not Occupied	—	—
16	0.35	VT/YE	3267	Child Security Lock Relay Control	II	—
17	0.35	YE/GY	5187	Right Trailer Turn Signal Lamp Control	II	—

K9 Body Control Module X5 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
18	0.35	BN/VT	1969	Headlamp High Beam Relay Control	II	—
19	0.35	BN/WH	28	Horn Relay Control	II	—
20	0.35	YE	5704	Endgate Latch Relay Coil Control	II	—
21	—	—	—	Not Occupied	—	—
22	0.35	BU	45	Park Lamp Relay Control	II	—
23	0.35	YE	6812	Out of Park Signal	II	—
24	0.35	WH/VT	860	Front Windshield Wiper Switch High Signal	II	—
25	—	—	—	Not Occupied	—	—
26	0.35	BU/BN	38	Backup Lamp Relay Control	II	—

K9 Body Control Module X6



Connector Part Information

Harness Type: Body
OEM Connector: 13962300
Service Connector: 13587576
Description: 27-Way F 0.64, 2.8 Series (L-PU)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575871	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	Delphi 20	C	A
II	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
III	Not Required	No Tool Required	No Tool Required	Not Available	Not Available	Not Available	Not Available

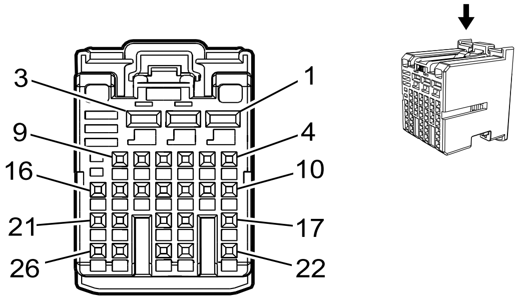
K9 Body Control Module X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	BU/WH	195	Door Lock Control	I	—
2	1.5	GY/GN	3271	Door Lock Control 2	I	—
3	1.5	BK	1850	Ground	I	—
4	1.5	BN/YE	294	Door Lock Actuator Unlock Control	I	—
5	0.35	VT/GY	1303	Lift Gate Ajar Switch Signal 1	II	—
6	0.5	WH/BU	3203	Right Headlamp Bulb Outage Signal	II	—
7	0.5	YE/WH	58	Right Cornering Lamp Control	II	—
8	0.35	VT/WH	5908	Passenger Seat Vent Motor Control 1	II	—
9	0.5	GN/BU	6133	Local Interconnect Network Serial Data Bus 2	II	—
10	0.5	GN/YE	6134	Local Interconnect Network Serial Data Bus 3	II	—
11	—	—	—	Not Occupied	—	—
12	0.5	YE/BK	5356	Left Tail Lamp Outage Detection Signal	II	—
13	0.5	VT/BU	7598	Glass Breakage Sensor Signal 2	III	—
14	—	—	—	Not Occupied	—	—
15	0.35	GY/GN	6190	Lift Glass/Rear Compartment Lid Exterior Release Signal	II	—
16	0.5	GN/BN	6132	Local Interconnect Network Serial Data Bus 1	II	—
17	0.35	GN/VT	5906	Driver Seat Vent Motor Control 1	II	—

K9 Body Control Module X6 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
18 - 20	—	—	—	Not Occupied	—	—
21	0.5	BU/VT	3204	Left Headlamp Bulb Outage Signal	II	—
22	0.5	VT/YE	5357	Right Tail Lamp Outage Detection Signal	II	—
23	—	—	—	Not Occupied	—	—
24	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
25	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
26	—	—	—	Not Occupied	—	—
27	0.35	WH/VT	2092	Fuel Saver Mode (ECO) Switch Signal	II	—

K9 Body Control Module X7



3240144

Connector Part Information

Harness Type: Body
OEM Connector: 13962301
Service Connector: 13587578
Description: 26-Way F 0.64, 2.8 Series (L-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575871	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	Delphi 20	E	A
II	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available

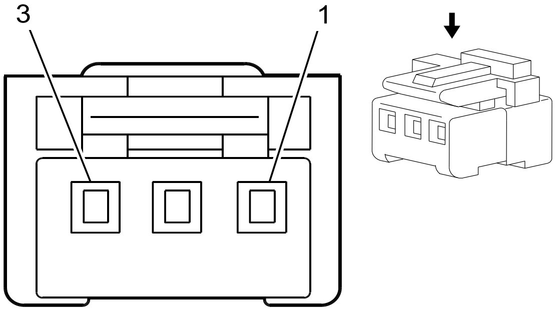
K9 Body Control Module X7

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY	157	Interior Lamp Control	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	WH/BN	6815	Inadvertent Power Control	I	—
4 - 5	—	—	—	Not Occupied	—	—
6	0.5	YE/WH	816	Brake Transmission Shift Interlock Solenoid Control	II	—
7	0.5	YE/GY	57	Left Cornering Lamp Control	II	—
8	0.5	GY/GN	5996	Driver Outside Rear View Mirror Puddle Lamp Control	II	—
9	0.5	YE	6817	LED Backlight Dimming Control	II	—
10	0.35	BU/BN	7547	Security Lock Relay Control	II	—
11	—	—	—	Not Occupied	—	—
12	0.35	BN/WH	3269	Child Security Lock Motor Status Signal Left Rear	II	—
13	0.35	GN/WH	1932	Shift Select Switch Park Signal	II	—
14	0.35	YE/BU	5797	Rear Closure Handle Switch Open Signal	II	—
15	0.35	YE/BN	3265	Child Security Lock Switch Signal	II	—
16	0.5	WH/BU	3691	Trailer Brake Apply Signal	II	—
17	—	—	—	Not Occupied	—	—

K9 Body Control Module X7 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
18	0.35	GY/BK	3268	Child Security Lock Motor Status Signal Right Rear	II	—
19	0.35	GY	156	Courtesy Lamp Switch Signal	II	—
20	—	—	—	Not Occupied	—	—
21	0.35	YE/VT	244	Passenger Door Lock Switch Lock Control	II	—
22	0.35	WH/YE	7557	LED Ambient Lighting Control 1	II	—
23	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—
24	0.35	BN/VT	245	Passenger Door Lock Switch Unlock Control	II	—
25	0.35	GN	4512	Wireless Charging System Charge Indicator Control	II	—
26	—	—	—	Not Occupied	—	—

K13 DVD Control Module X1 (AYE)



Connector Part Information

Harness Type: Accessory Power Harness
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 3-Way F (WH)

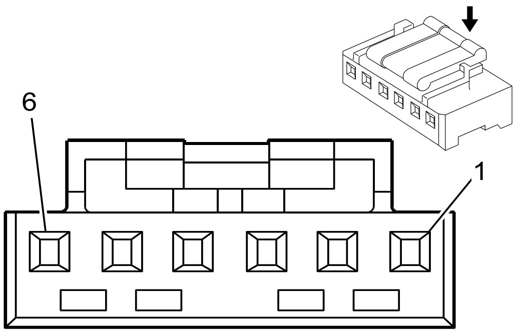
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K13 DVD Control Module X1 (AYE)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BK/	1050	Ground	I	—
2	—	—	—	Not Occupied	—	—
3	—	VT	—	Accessory Voltage	I	—

K13 DVD Control Module X2 (AYE)



2089847

Connector Part Information

Harness Type: Accessory Signal Harness 3A
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 6-Way F (RD)

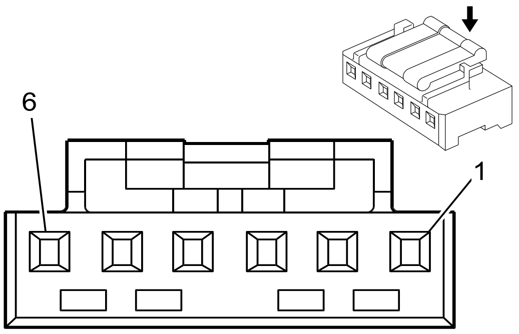
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K13 DVD Control Module X2 (AYE)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BK	—	Audio/Video Common B (-)	I	—
2	—	YE	—	DVD Video Signal B (+)	I	—
3	—	RD	—	Right Audio Signal B (+)	I	—
4	—	WH	—	Left Audio Signal B (+)	I	—
5	—	BK	—	Ground	I	—
6	—	RD	—	Ignition Voltage	I	—

K13 DVD Control Module X3 (AYE)



2089847

Connector Part Information

Harness Type: Accessory Signal Harness 3A
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 6-Way F (WH

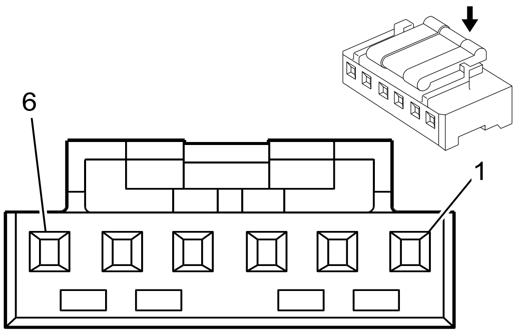
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K13 DVD Control Module X3 (AYE)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BK	—	Audio/Video Common A (-)	I	—
2	—	YE	—	DVD Video Signal A (+)	I	—
3	—	RD	—	Right Audio Signal A (+)	I	—
4	—	WH	—	Left Audio Signal A (+)	I	—
5	—	BK	—	I2C Clock Signal	I	—
6	—	RD	—	I2C Data	I	—

K13 DVD Control Module X4 (AYE)



2089847

Connector Part Information

Harness Type: Accessory Signal Harness 3B
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 6-Way F (BK)

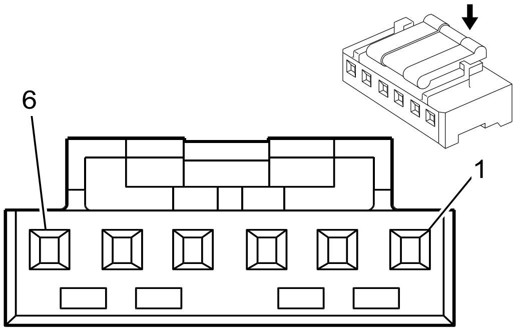
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K13 DVD Control Module X4 (AYE)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BK	—	Audio/Video Common A (-)	I	—
2	—	YE	—	DVD Video Signal A (+)	I	—
3	—	RD	—	Right Audio Signal A (+)	I	—
4	—	WH	—	Left Audio Signal A (+)	I	—
5	—	BK	—	Ground	I	—
6	—	RD	—	Ignition Voltage	I	—

K13 DVD Control Module X5 (AYE)



2089847

Connector Part Information

Harness Type: Accessory Signal Harness 3B
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 6-Way F (BU)

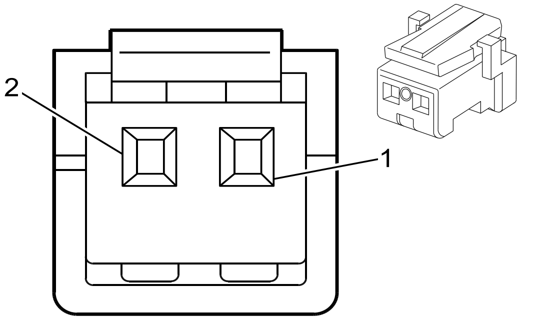
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K13 DVD Control Module X5 (AYE)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BK	—	Audio/Video Common B (-)	I	—
2	—	YE	—	DVD Video Signal B (+)	I	—
3	—	RD	—	Right Audio Signal B (+)	I	—
4	—	WH	—	Left Audio Signal B (+)	I	—
5	—	BK	—	I2C Clock Signal	I	—
6	—	RD	—	I2C Data	I	—

K13 DVD Control Module X6 (AYE)



2089848

Connector Part Information

Harness Type: Accessory Antenna
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 2-Way F (WH)

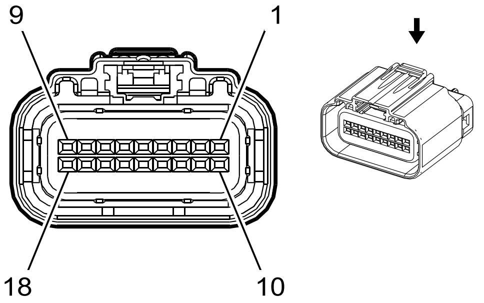
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K13 DVD Control Module X6 (AYE)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BK	—	Antenna Signal	I	—
2	—	BK	—	Antenna Signal	I	—

K14 Distance Sensing Cruise Control Module



2460834

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33144472
Service Connector: 19331591
Description: 18-Way F 0.64 GET Series, Sealed (BK)

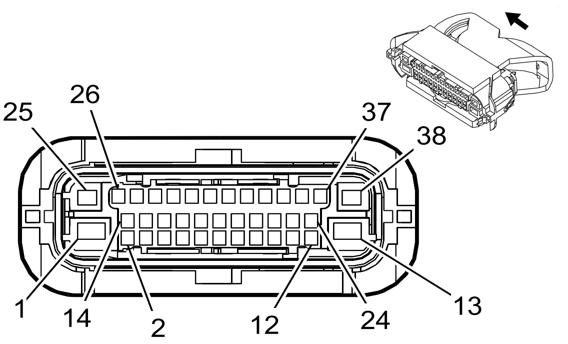
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13579977	J-35616-64B (LT BU)	J-38125-553	Not Available	Not Available	Not Available	Not Available

K14 Distance Sensing Cruise Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/GN	3140	Battery Positive Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.75	BK	150	Ground	I	—
4	—	—	—	Not Occupied	—	—
5	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
6	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
7	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
8	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
9	—	—	—	Not Occupied	—	—
10	0.5	WH/BU	5986	Serial Data Communication Enable	I	—
11 - 18	—	—	—	Not Occupied	—	—

K17 Electronic Brake Control Module



3638282

Connector Part Information

Harness Type: Chassis
OEM Connector: 15533085
Service Connector: 19303771
Description: 38-Way F 1.5 CTS, 2.8 MCP, 4.8 MCP Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13576374	J-35616-35 (VT)	J-38125-557	1-968857-3	Lear 7	C	1
II	19301757	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	B	G
III	19301776	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
IV	19329757	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

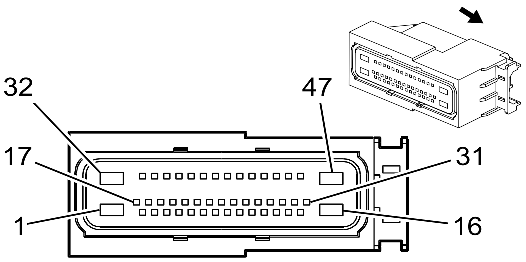
K17 Electronic Brake Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	5	RD/YE	442	Battery Positive Voltage	II	—
2	0.5	BK/BN	6045	Steering Angle Sensor Low Reference	IV	—
3	0.5	GY/YE	7128	Wheel Speed Sensor Control Right Rear	III	—
4	0.5	VT	882	Wheel Speed Sensor Signal Right Rear	III	—
5	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	III	—
6	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	III	—
7	—	—	—	Not Occupied	—	—
8	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	III	—
9	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	III	—
10	0.5	GY/BN	7065	Wheel Speed Sensor Control Right Front	III	—
11	0.5	YE	872	Wheel Speed Sensor Signal Right Front	III	—
12	—	—	—	Not Occupied	—	—
13	5	BK	2150	Ground	II	—
14 - 16	—	—	—	Not Occupied	—	—
17	0.5	GN/BN	2087	Combined Vehicle Inertial Sensor Supply Voltage	IV	—

K17 Electronic Brake Control Module (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
18	0.5	GN/GY	333	Brake Fluid Level Sensor Signal	III	—
19	—	—	—	Not Occupied	—	—
20	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	III	—
21	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	III	—
22 - 23	—	—	—	Not Occupied	—	—
24	0.5	BK/YE	6032	Brake Vacuum Sensor Low Reference	III	—
25	2.5	RD/VT	1640	Battery Positive Voltage	I	—
26 - 27	—	—	—	Not Occupied	—	—
28	0.5	WH/BU	5986	Serial Data Communication Enable	III	—
29	0.5	GY/BK	7127	Wheel Speed Sensor Control Left Rear	III	—
30	0.5	BU	884	Wheel Speed Sensor Signal Left Rear	III	—
31	—	—	—	Not Occupied	—	—
32	0.5	YE/RD	6031	Brake Vacuum Sensor 5V Reference	III	—
33	0.5	GN/GY	817	Vehicle Speed Signal	III	—
34	0.5	YE/VT	6030	Brake Vacuum Sensor Signal	III	—
35	0.5	GY/GN	7064	Wheel Speed Sensor Control Left Front	III	—
36	0.5	GY	830	Wheel Speed Sensor Signal Left Front	III	—
37	—	—	—	Not Occupied	—	—
38	2.5	BK	2150	Ground	I	—

K19 Suspension Control Module



1711002

Connector Part Information

Harness Type: Chassis
OEM Connector: 15491307
Service Connector: 89047377
Description: 47-Way F 0.64, 6.3 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13579754	J-35616-42 (RD)	J-38125-553	15476168	Delphi 5	F	3
II	13579754	J-35616-42 (RD)	J-38125-553	Not Available	Not Available	Not Available	Not Available
III	13579755	J-35616-42 (RD)	J-38125-553	15476168	Delphi 5	F	3
IV	13579766	J-35616-64B (LT BU)	J-38125-215A	SAITS-A03T-M064	Yazaki 14	9	9
V	13579774	J-35616-64B (LT BU)	J-38125-215A	SAITS-A03T-M064	Yazaki 14	9	9

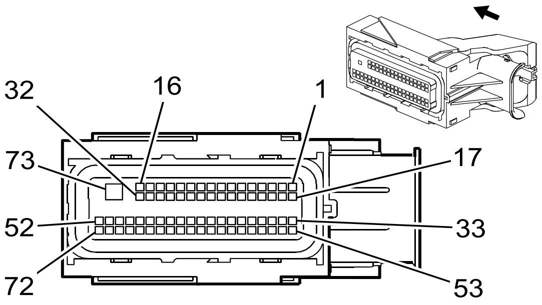
K19 Suspension Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	BK/GN	1209	Left Rear Strut Position Sensor Low Reference	V	—
3	0.5	YE/WH	1213	Right Front Strut Position Sensor Signal	V	—
4	0.5	BK/YE	6077	Real Time Damping Air Pressure Sensor Low Reference	V	—
5	0.5	BK/YE	1215	Right Rear Strut Position Sensor Low Reference	V	—
6	0.5	BN/WH	1207	Left Front Strut Position Sensor Signal	V	—
7	0.5	YE/GN	6075	Real Time Damping Air Pressure Sensor Signal	V	—
8 - 11	—	—	—	Not Occupied	—	—
12	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	V	—
13	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	V	—
14	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	V	—
15	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	V	—
16	0.75	WH/BU	5986	Serial Data Communication Enable	II	—

K19 Suspension Control Module (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
17	0.5	GN/WH	1210	Left Rear Strut Position Sensor Signal	V	—
18	0.5	BK/GY	1212	Right Front Strut Position Sensor Low Reference	V	—
19	—	—	—	Not Occupied	—	—
20	0.5	GN/GY	1216	Right Rear Strut Position Sensor Signal	V	—
21	0.5	BK/BU	1206	Left Front Strut Position Sensor Low Reference	V	—
22	0.75	WH/GN	320	Automatic Level Control Exhaust Solenoid Control	IV	—
23	0.5	BU/RD	6076	Real Time Damping Air Pressure Sensor 5V Reference	V	—
24	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	V	—
25	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	V	—
26	0.5	VT/BU	5956	Leveling Compressor Relay Coil Control	V	—
27	0.75	BN	1009	Right Front Strut Motor Decrease Damping Control	IV	—
28	0.75	WH/BK	1006	Right Front Strut Motor Increase Damping Control	IV	—
29	—	—	—	Not Occupied	—	—
30	0.75	WH/GN	1005	Left Front Strut Motor Decrease Damping Control	IV	—
31	0.75	WH/GY	1448	Left Front Strut Motor Increase Damping Control	IV	—
32	3	RD/GN	2440	Battery Positive Voltage	I	—
33	0.5	YE/RD	1208	Left Rear Strut Position Sensor 5V Reference	V	—
34	0.5	BN/RD	1211	Right Front Strut Position Sensor 5V Reference	V	—
35	0.5	GN/RD	1214	Right Rear Strut Position Sensor 5V Reference	V	—
36	0.5	BU/RD	1205	Left Front Strut Position Sensor 5V Reference	V	—
37 - 38	—	—	—	Not Occupied	—	—
39	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	V	—
40	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	V	—
41	0.75	WH/BU	3261	Automatic Level Control Exhaust Solenoid Control	IV	—
42	0.75	WH/BK	1013	Left Rear Strut Motor Decrease Damping Control	IV	—
43	0.75	BN/VT	1010	Left Rear Strut Motor Increase Damping Control	IV	—
44	—	—	—	Not Occupied	—	—
45	0.75	VT	1017	Right Rear Strut Motor Decrease Damping Control	IV	—
46	0.75	YE	1014	Right Rear Strut Motor Increase Damping Control	IV	—
47	4	BK	1750	Ground	III	—

K20 Engine Control Module X1 (L83/L86)



2479462

Connector Part Information

Harness Type: Engine
OEM Connector: 13820453
Service Connector: 19260919
Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with BU Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13505803	J-35616-35 (VT)	J-38125-12A	1326030-8	Lear 17	4	D
II	13575812	J-35616-64B (LT BU)	J-38125-213	Not Available	Not Available	Not Available	Not Available

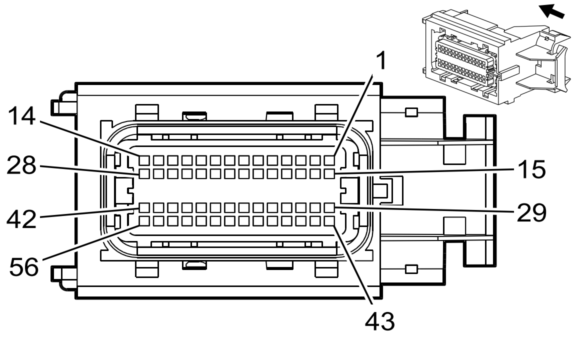
K20 Engine Control Module X1 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	BU/WH	7446	Fuel Line Pressure Sensor Signal	II	—
3	—	—	—	Not Occupied	—	—
4	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	II	—
5	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	II	—
6	0.5	GN	380	A/C Refrigerant Pressure Sensor Signal	II	—
7	0.5	YE	5530	Hood Open Switch Signal	II	—
8	0.5	BK/YE	7447	Fuel Line Pressure Sensor Low Reference	II	—
9	0.5	BU/WH	890	Fuel Tank Pressure Sensor Signal	II	—
10	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5V Reference	II	—
11 - 12	—	—	—	Not Occupied	—	—
13	0.5	BU/GY	636	Outside Ambient Air Temperature Sensor Signal	II	—
14	0.5	WH/RD	1164	Accelerator Pedal Position 5V Reference 1	II	—
15	0.5	YE/WH	1161	Accelerator Pedal Position Signal 1	II	—
16 - 20	—	—	—	Not Occupied	—	—
21	0.5	BN/RD	2700	A/C Pressure Sensor 5V Reference	II	—
22	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	II	—
23	—	—	—	Not Occupied	—	—

K20 Engine Control Module X1 (L83/L86) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
24	0.5	BN/RD	7445	Fuel Line Pressure Sensor 5V Reference	II	—
25	0.5	BU/VT	1589	Primary Fuel Level Sensor Signal	II	—
26	0.5	BK/GN	6281	Fuel Level Sensor Low Reference	II	—
27 - 29	—	—	—	Not Occupied	—	—
30	0.5	BK/BU	1271	Accelerator Pedal Position Low Reference 1	II	—
31	—	—	—	Not Occupied	—	—
32	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	II	—
33	0.5	BN/RD	1274	Accelerator Pedal Position 5V Reference 2	II	—
34	0.5	GN/WH	1162	Accelerator Pedal Position Signal 2	II	—
35	—	—	—	Not Occupied	—	—
36	0.5	BU/BK	7493	High Speed GMLAN Serial Data (+)3	II	—
37	0.5	WH	7494	High Speed GMLAN Serial Data (-)3	II	—
38	0.5	WH	1579	Fuel Temperature/Composition Signal	II	—
39	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
40	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
41	0.5	BU/WH	2918	Fuel Rail Pressure Sensor Signal	II	—
42 - 43	—	—	—	Not Occupied	—	—
44	0.5	GY	5660	Fuel Pump Controller Data Out Signal	II	—
45	—	—	—	Not Occupied	—	—
46	0.5	BN/WH	419	Check Engine Indicator Control	II	—
47	0.5	WH	5359	Brake Apply Sensor Control	II	—
48	0.5	BU/YE	5361	Brake Apply Sensor Signal	II	—
49 - 50	—	—	—	Not Occupied	—	—
51	0.5	VT/GN	439	Run/Crank Ignition 1 Voltage	II	—
52	0.5	RD/BN	440	Battery Positive Voltage	II	—
53	0.5	BK/VT	1272	Accelerator Pedal Position Low Reference 2	II	—
54	0.5	GN/VT	4621	Local Interconnect Network Serial Data Bus 21	II	—
55 - 56	—	—	—	Not Occupied	—	—
57	0.5	WH/BU	6311	Cruise/ETC/TCC Brake Signal	II	—
58	—	—	—	Not Occupied	—	—
59	0.5	BN/YE	473	High Speed Cooling Fan Relay Control	II	—
60 - 61	—	—	—	Not Occupied	—	—
62	0.75	VT/BU	5291	Powertrain Main Relay Fused Supply 2	II	—
63	0.5	YE/BK	625	Starter Enable Relay Control	II	—
64 - 65	—	—	—	Not Occupied	—	—
66	0.5	WH	1310	EVAP Canister Vent Solenoid Control	II	—
67	0.75	VT/BU	5292	Powertrain Main Relay Fused Supply 3	II	—
68	0.5	BK/BN	5360	Brake Apply Sensor Low Reference	II	—
69	—	—	—	Not Occupied	—	—
70	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	—
71	—	—	—	Not Occupied	—	—
72	0.5	YE	5991	Powertrain Relay Coil Control	II	—
73	2.5	VT/BU	5290	Powertrain Main Relay Fused Supply 1	I	—

K20 Engine Control Module X1 (L96)



4068000

Connector Part Information

Harness Type: Engine
OEM Connector: 13820449
Service Connector: 19329930
Description: 56-Way F 0.64 I Series, Sealed (BK with BU Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575812	J-35616-64B (LT BU)	J-38125-213	Not Available	Not Available	Not Available	Not Available

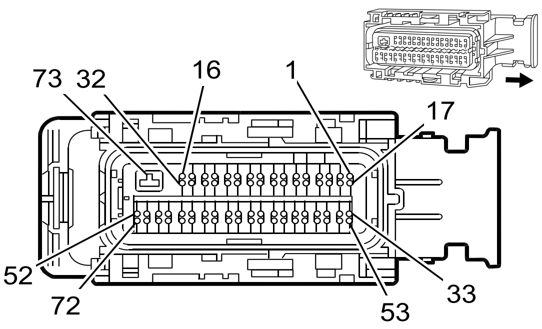
K20 Engine Control Module X1 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	GN/WH	1162	Accelerator Pedal Position Signal 2	I	—
3	0.5	GN/WH	492	Mass Air Flow Sensor Signal	I	—
4 - 7	—	—	—	Not Occupied	—	—
8	0.5	GY/BU	7564	Humidity Sensor Signal	I	—
9	—	—	—	Not Occupied	—	—
10	0.5	YE/WH	1161	Accelerator Pedal Position Signal 1	I	—
11	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	I	—
12	0.5	GN	380	A/C Refrigerant Pressure Sensor Signal	I	—
13	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	I	—
14	0.5	YE/BU	1465	Secondary Fuel Pump Relay Control	I	—
15	—	—	—	Not Occupied	—	—
16	0.5	BN/RD	1274	Accelerator Pedal Position 5V Reference 2	I	—
17	—	—	—	Not Occupied	—	—
18	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	—
19	0.5	VT/GN	439	Run/Crank Ignition 1 Voltage	I	—
20	0.5	RD/BN	440	Battery Positive Voltage	I	—
21 - 23	—	—	—	Not Occupied	—	—
24	0.5	WH/RD	1164	Accelerator Pedal Position 5V Reference 1	I	—

K20 Engine Control Module X1 (L96) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
25	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	I	—
26	0.5	BN/RD	2700	A/C Pressure Sensor 5V Reference	I	—
27	0.5	YE/BK	625	Starter Enable Relay Control	I	—
28	0.5	GN/GY	465	Fuel Pump Primary Relay Control	I	—
29	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
30	0.5	BK/VT	1272	Accelerator Pedal Position Low Reference 2	I	—
31	0.5	BK/VT	2760	Intake Air Temperature Sensor Low Reference	I	—
32	—	—	—	Not Occupied	—	—
33	0.5	WH/BU	6311	Cruise/ETC/TCC Brake Signal	I	—
34	0.5	WH/GY	1786	Transmission Park/Neutral Signal 1	I	—
35 - 37	—	—	—	Not Occupied	—	—
38	0.5	BK/BU	1271	Accelerator Pedal Position Low Reference 1	I	—
39	—	—	—	Not Occupied	—	—
40	0.5	YE	5991	Powertrain Relay Coil Control	I	—
41	0.75	BN/YE	473	High Speed Cooling Fan Relay Control	I	—
42	—	—	—	Not Occupied	—	—
43	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
44	—	—	—	Not Occupied	—	—
45	0.5	WH/BU	6289	Induction Air Temperature Sensor Signal	I	—
46	—	—	—	Not Occupied	—	—
47	0.5	BN	25	Charge Indicator Control	I	—
48 - 51	—	—	—	Not Occupied	—	—
52	0.5	BN/WH	419	Check Engine Indicator Control	I	—
53	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	I	—
54 - 55	—	—	—	Not Occupied	—	—
56	0.5	WH	1310	EVAP Canister Vent Solenoid Control	I	—

K20 Engine Control Module X2 (L83/L86)



1590592

Connector Part Information

Harness Type: Engine
OEM Connector: 13820450
Service Connector: 19301191
Description: 73-Way F 0.64, 2.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13505803	J-35616-35 (VT)	J-38125-12A	1326030-8	Lear 17	4	D
II	13575812	J-35616-64B (LT BU)	J-38125-213	Not Available	Not Available	Not Available	Not Available

K20 Engine Control Module X2 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.5	BK/GN	2919	Fuel Rail Pressure Sensor Low Reference	II	—
4 - 5	—	—	—	Not Occupied	—	—
6	0.5	VT/WH	821	Vehicle Speed Sensor Signal	II	—
7	0.5	BK/GN	822	Vehicle Speed Sensor Low Reference	II	—
8	0.5	BN/WH	6354	Output Speed High (Replicated TOS) Input Signal	II	—
9	—	—	—	Not Occupied	—	—
10	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor 1	II	—
11	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor 1	II	—
12	0.5	VT/BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor 2	II	—
13	0.5	VT/GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor 2	II	—
14	—	—	—	Not Occupied	—	—
15	0.5	GY/BU	7564	Humidity Sensor Signal	II	—
16	0.5	BN/WH	582	Throttle Actuator Control Close	II	—
17	—	—	—	Not Occupied	—	—
18	0.5	BN/RD	2917	Fuel Rail Pressure Sensor 5V Reference	II	—

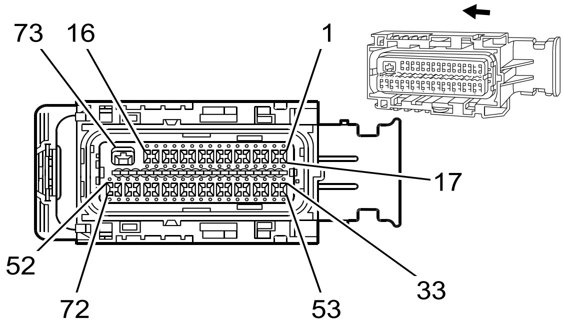
K20 Engine Control Module X2 (L83/L86) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
19 - 25	—	—	—	Not Occupied	—	—
26	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor 1	II	—
27	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor 1	II	—
28	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor 2	II	—
29	0.5	YE/BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor 2	II	—
30 - 31	—	—	—	Not Occupied	—	—
32	0.5	YE	581	Throttle Actuator Control Open	II	—
33	—	—	—	Not Occupied	—	—
34	0.5	BN/RD	2701	Throttle Position Sensor 5V Reference	II	—
35	—	—	—	Not Occupied	—	—
36	0.75	VT/GY	496	Knock Sensor Signal 1	II	—
37	0.75	WH/GY	1876	Knock Sensor Signal 2	II	—
38 - 39	—	—	—	Not Occupied	—	—
40	0.5	VT/BU	6091	Crankshaft Position Sensor Replicated Signal	II	—
41	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 1	II	—
42	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 2	II	—
43	0.5	GN/WH	432	Manifold Absolute Pressure Sensor Signal	II	—
44	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5V Reference	II	—
45	—	—	—	Not Occupied	—	—
46	0.5	GY/BN	2410	Fuel Pump Prime Control	II	—
47 - 48	—	—	—	Not Occupied	—	—
49	0.5	WH/BU	6289	Induction Air Temperature Sensor Signal	II	—
50	—	—	—	Not Occupied	—	—
51	0.5	GN/BU	428	EVAP Canister Purge Solenoid Control	II	—
52	0.5	GN/WH	492	Mass Air Flow Sensor Signal	II	—
53	0.5	BN	25	Charge Indicator Control	II	—
54	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	II	—
55	0.5	GY	23	Generator Field Duty Cycle Signal	II	—
56	0.75	BK/YE	1716	Knock Sensor Low Reference 1	II	—
57	0.75	BK/GY	2303	Knock Sensor Low Reference 2	II	—
58	0.5	WH/GY	1786	Transmission Park/Neutral Signal 1	II	—
59	0.5	BU	179	Oil Pump Command Signal	II	—
60	0.5	BN/GN	1174	Oil Level Switch Signal	II	—
61	0.5	GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor 1	II	—
62	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor 2	II	—
63	0.5	BK/GN	469	Manifold Absolute Pressure Sensor Low Reference	II	—
64	—	—	—	Not Occupied	—	—
65	0.5	BK/BU	61	Outside Ambient Temperature Sensor Low Reference	II	—

K20 Engine Control Module X2 (L83/L86) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
66	—	—	—	Not Occupied	—	—
67	0.5	WH/BU	5726	Ignition Mode Switch Mode Control Backup	II	—
68	—	—	—	Not Occupied	—	—
69	0.5	WH/YE	3202	Throttle Inlet Absolute Pressure Sensor Low Reference	II	—
70	0.5	BU/WH	3630	Throttle Position Sensor (SENT1) Signal	II	—
71 - 72	—	—	—	Not Occupied	—	—
73	2.5	BK/WH	451	Signal Ground	I	—

K20 Engine Control Module X2 (L96)



1673472

Connector Part Information

Harness Type: Engine
OEM Connector: 33152986
Service Connector: 19301191
Description: 73-Way F 0.64, 2.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575812	J-35616-64B (LT BU)	J-38125-213	Not Available	Not Available	Not Available	Not Available
II	13579770	J-35616-4A (PU)	J-38125-11A	7116-4152-02	Yazaki 9	A	5

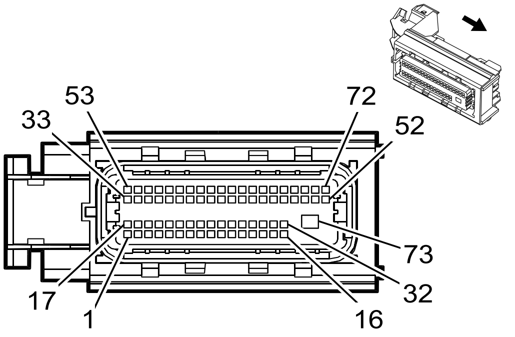
K20 Engine Control Module X2 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU/VT	2121	Ignition Control 1	I	—
2	0.5	GN/YE	1744	Fuel Injector Control 1	I	—
3	0.5	BN/GY	878	Fuel Injector Control 8	I	—
4	0.5	BN/VT	877	Fuel Injector Control 7	I	—
5	0.5	YE/WH	1745	Fuel Injector Control 2	I	—
6	0.5	BN/BU	846	Fuel Injector Control 6	I	—
7	0.5	BN/GN	845	Fuel Injector Control 5	I	—
8	0.5	BN/YE	844	Fuel Injector Control 4	I	—
9	0.5	BN/VT	1746	Fuel Injector Control 3	I	—
10	—	—	—	Not Occupied	—	—
11	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid 1	I	—
12 - 14	—	—	—	Not Occupied	—	—
15	0.5	YE	581	Throttle Actuator Control Open	I	—
16	0.5	BN/WH	582	Throttle Actuator Control Close	I	—
17	0.5	VT/WH	2128	Ignition Control 8	I	—
18	0.5	YE/BU	2124	Ignition Control 4	I	—
19	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	—
20	0.5	BK/VT	6272	Crankshaft 60X Sensor Low Reference	I	—
21 - 23	—	—	—	Not Occupied	—	—

K20 Engine Control Module X2 (L96) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
24	0.5	BK/GN	5301	Camshaft Position Intake Sensor Low Reference 1	I	—
25	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	I	—
26 - 27	—	—	—	Not Occupied	—	—
28	0.75	VT/BU	5290	Powertrain Main Relay Fused Supply 1	I	—
29	0.5	BK/BN	6753	Cam Phaser W Low Reference	I	—
30 - 32	—	—	—	Not Occupied	—	—
33	0.5	GN/GY	2127	Ignition Control 7	I	—
34	0.5	BU/GY	2125	Ignition Control 5	I	—
35	0.5	BK/BU	2129	Ignition Control Low Reference Bank 1	I	—
36	0.5	VT/BU	6270	Crankshaft 60X Sensor 5V Reference	I	—
37 - 39	—	—	—	Not Occupied	—	—
40	0.5	GY/BU	5300	Camshaft Position Intake Sensor Control 1	I	—
41	0.5	WH/RD	2705	Oil Pressure Sensor 5V Reference	I	—
42	—	—	—	Not Occupied	—	—
43	0.5	BN/YE	2701	Throttle Position Sensor 5V Reference	I	—
44	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	—
45	0.5	BU/WH	3630	Throttle Position Sensor (SENT1) Signal	I	—
46	—	—	—	Not Occupied	—	—
47	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor 1	I	—
48	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor 1	I	—
49	0.75	BK/YE	1716	Knock Sensor Low Reference 1	I	—
50	0.75	BK/GY	2303	Knock Sensor Low Reference 2	I	—
51	—	—	—	Not Occupied	—	—
52	0.5	GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor 1	I	—
53	0.5	BU/WH	2122	Ignition Control 2	I	—
54	0.5	BN/BU	2126	Ignition Control 6	I	—
55	0.5	GN/BU	2123	Ignition Control 3	I	—
56	0.5	GN	6271	Crankshaft 60X Sensor Signal	I	—
57 - 59	—	—	—	Not Occupied	—	—
60	0.5	YE/VT	5275	Camshaft Position Intake Sensor 1	I	—
61	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	—
62 - 66	—	—	—	Not Occupied	—	—
67	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor 1	I	—
68	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor 1	I	—
69	0.75	VT/GY	496	Knock Sensor Signal 1	I	—
70	0.75	WH/GY	1876	Knock Sensor Signal 2	I	—
71	—	—	—	Not Occupied	—	—
72	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 1	I	—
73	2.5	BK/WH	451	Signal Ground	II	—

K20 Engine Control Module X3 (L83/L86)



3240140

Connector Part Information

Harness Type: Engine
OEM Connector: 13820451
Service Connector: 19260918
Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with GY Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13505803	J-35616-35 (VT)	J-38125-12A	1326030-8	Lear 17	4	D
II	13575812	J-35616-64B (LT BU)	J-38125-213	Not Available	Not Available	Not Available	Not Available

K20 Engine Control Module X3 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	331	Oil Pressure Sensor Signal	II	—
2	0.5	WH/RD	2705	Oil Pressure Sensor 5V Reference	II	—
3 - 7	—	—	—	Not Occupied	—	—
8	0.5	BU	410	Engine Coolant Temperature Sensor Signal	II	—
9	—	—	—	Not Occupied	—	—
10	0.5	VT/BU	6270	Crankshaft 60X Sensor 5V Reference	II	—
11	0.5	GN/BU	2123	Ignition Control 3	II	—
12	0.5	YE/BU	2124	Ignition Control 4	II	—
13	0.5	BU/GY	2125	Ignition Control 5	II	—
14	0.5	BN/BU	2126	Ignition Control 6	II	—
15	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	II	—
16	0.75	YE	7301	High Pressure Fuel Pump Actuator High - Control	II	—
17	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	II	—
18	0.5	BU/RD	4162	Transmission Pressure Sensor A 5V Reference	II	—
19	0.5	BK/GY	3927	IMS Mode Switch Low Reference	II	—
20 - 22	—	—	—	Not Occupied	—	—
23	0.5	BK/YE	4082	Hood Latch Sensor Low Reference	II	—
24	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	II	—

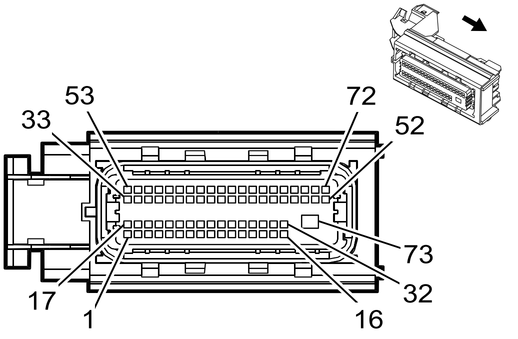
K20 Engine Control Module X3 (L83/L86) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
25	0.5	BK/VT	6272	Crankshaft 60X Sensor Low Reference	II	—
26	0.5	GN	6271	Crankshaft 60X Sensor Signal	II	—
27	0.5	BU/WH	2122	Ignition Control 2	II	—
28	0.5	GN/GY	2127	Ignition Control 7	II	—
29	0.5	VT/WH	2128	Ignition Control 8	II	—
30	0.5	BU/VT	2121	Ignition Control 1	II	—
31	0.5	BK/BU	2129	Ignition Control Low Reference Bank 1	II	—
32	0.75	VT/BK	7300	High Pressure Fuel Pump Actuator Low - Control	II	—
33	0.5	YE/VT	5275	Camshaft Position Intake Sensor 1	II	—
34	0.5	GY/BU	5300	Camshaft Position Intake Sensor Control 1	II	—
35 - 38	—	—	—	Not Occupied	—	—
39	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid 1	II	—
40 - 42	—	—	—	Not Occupied	—	—
43	0.5	GY	5493	Cylinder Shutoff Solenoid Control 3	II	—
44	0.5	YE/BU	5494	Cylinder Shutoff Solenoid Control 4	II	—
45	0.75	GY/BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	II	—
46	0.75	BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	II	—
47	0.75	GN/VT	4806	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	II	—
48	0.75	GY	4808	Direct Fuel Injector (DFI) High Voltage Control Cylinder 8	II	—
49	0.75	GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	II	—
50	0.75	YE/GY	4807	Direct Fuel Injector (DFI) High Voltage Control Cylinder 7	II	—
51	0.75	WH/GN	4805	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	II	—
52	0.75	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	II	—
53	0.5	BK/GN	5301	Camshaft Position Intake Sensor Low Reference 1	II	—
54 - 58	—	—	—	Not Occupied	—	—
59	0.5	BK/BN	6753	Cam Phaser W Low Reference	II	—
60 - 62	—	—	—	Not Occupied	—	—
63	0.5	BU	5491	Cylinder Shutoff Solenoid Control 1	II	—
64	0.5	GN	5492	Cylinder Shutoff Solenoid Control 2	II	—
65	0.75	BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	II	—
66	0.75	BN/GN	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	II	—
67	0.75	VT	4906	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	II	—
68	0.75	WH/GN	4908	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 8	II	—
69	0.75	GN/BK	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	II	—
70	0.75	WH/YE	4907	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 7	II	—

K20 Engine Control Module X3 (L83/L86) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
71	0.75	GN/WH	4905	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	II	—
72	0.75	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	II	—
73	2.5	BK/WH	451	Signal Ground	I	—

K20 Engine Control Module X3 (L96)



Connector Part Information

Harness Type: Engine
OEM Connector: 33157048
Service Connector: 19260918
Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with GY Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575812	J-35616-64B (LT BU)	J-38125-213	Not Available	Not Available	Not Available	Not Available

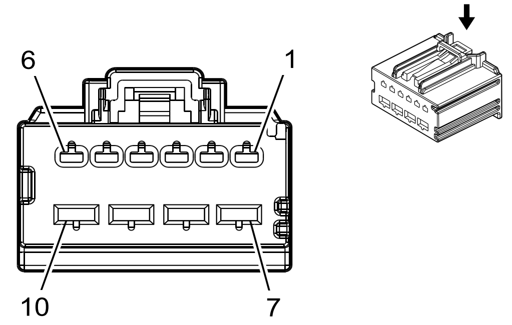
K20 Engine Control Module X3 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 9	—	—	—	Not Occupied	—	—
10	0.5	GN/BU	428	EVAP Canister Purge Solenoid Control	I	—
11 - 15	—	—	—	Not Occupied	—	—
16	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor 2	I	—
17	0.5	GY	23	Generator Field Duty Cycle Signal	I	—
18 - 21	—	—	—	Not Occupied	—	—
22	0.5	BK/BN	5360	Brake Apply Sensor Low Reference	I	—
23 - 26	—	—	—	Not Occupied	—	—
27	0.5	BK/GN	6281	Fuel Level Sensor Low Reference	I	—
28	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5V Reference	I	—
29	0.5	BK/GN	469	Manifold Absolute Pressure Sensor Low Reference	I	—
30	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	—
31	—	—	—	Not Occupied	—	—
32	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 2	I	—
33 - 37	—	—	—	Not Occupied	—	—
38	0.5	WH	5359	Brake Apply Sensor Control	I	—
39 - 42	—	—	—	Not Occupied	—	—
43	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5V Reference	I	—

K20 Engine Control Module X3 (L96) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
44	0.5	BU/WH	1937	Secondary Fuel Level Sensor Signal	I	—
45	0.5	GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	—
46	0.5	BU	410	Engine Coolant Temperature Sensor Signal	I	—
47	—	—	—	Not Occupied	—	—
48	0.5	VT/WH	821	Vehicle Speed Sensor Signal	I	—
49	0.5	BK/GN	822	Vehicle Speed Sensor Low Reference	I	—
50 - 57	—	—	—	Not Occupied	—	—
58	0.5	BU/YE	5361	Brake Apply Sensor Signal	I	—
59 - 62	—	—	—	Not Occupied	—	—
63	0.5	BU/WH	890	Fuel Tank Pressure Sensor Signal	I	—
64	0.5	BU/VT	1589	Primary Fuel Level Sensor Signal	I	—
65	0.5	VT/GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor 2	I	—
66	0.5	YE/BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor 2	I	—
67	0.5	VT/BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor 2	I	—
68	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor 2	I	—
69 - 73	—	—	—	Not Occupied	—	—

K29 Seat Heating Control Module X1 (AN3+KQV)



3791446

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 31372-1000
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 1.5, 2.8 Series (BK)

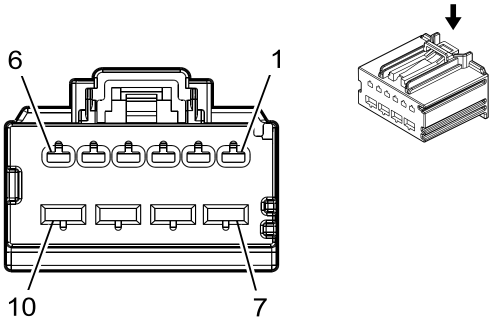
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K29 Seat Heating Control Module X1 (AN3+KQV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/BN	2481	Passenger Heated Back Element Control	I	KQV
2	0.75	BN/BU	2479	Passenger Heated Seat Element Control	I	—
3	0.75	GY/BK	2480	Passenger Heated Seat Element Low Reference	I	KQV
4	0.75	BN/BK	2078	Driver Heated Seat Element Low Reference	I	KQV
5	0.75	BN	2432	Driver Heated Back Element Control	I	—
6	0.75	BN/VT	2077	Driver Heated Seat Element Control	I	—
7	0.75	RD/GN	6140	Battery Positive Voltage	II	—
8	0.75	BK	1250	Ground	II	—
9	—	—	—	Not Occupied	—	—
10	0.75	RD/GN	5140	Battery Positive Voltage	II	—

K29 Seat Heating Control Module X1 (AN3-KQV/KB6)



3791446

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 31372-1000
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 1.5, 2.8 Series (BK)

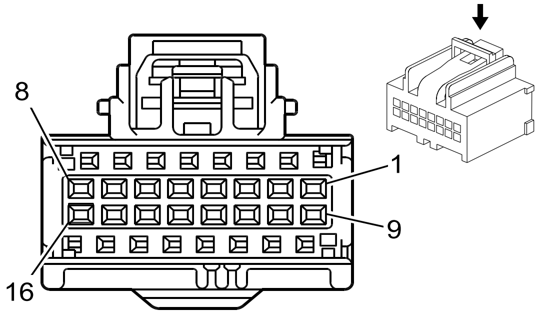
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K29 Seat Heating Control Module X1 (AN3-KQV/KB6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75 0.75	RD/GN WH/BN	6140 2481	Battery Positive Voltage Passenger Heated Back Element Control	I I	KB6 KQV
2	0.75	BN/BU	2479	Passenger Heated Seat Element Control	I	—
3	0.75 0.75	WH/BN GY/BK	2481 2480	Passenger Heated Back Element Control Passenger Heated Seat Element Low Reference	I I	KB6 KQV
4	0.75 0.75	BN/BU BN/BK	2479 2078	Passenger Heated Seat Element Control Driver Heated Seat Element Low Reference	I I	KB6 KQV
5	0.75	BN	2432	Driver Heated Back Element Control	I	—
6	0.75	BN/VT	2077	Driver Heated Seat Element Control	I	—
7	0.75	RD/GN	6140	Battery Positive Voltage	II	—
8	0.75	BK	1250	Ground	II	—
9	—	—	—	Not Occupied	—	—
10	0.75	RD/GN	5140	Battery Positive Voltage	II	—

K29 Seat Heating Control Module X2 (AN3+KQV)



1653409

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 15136073
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way F 0.64 Kaizen Series (BK)

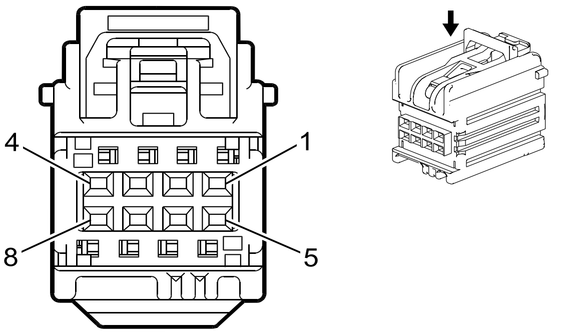
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K29 Seat Heating Control Module X2 (AN3+KQV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/YE	2080	Driver Heated Seat NTC Low Reference	I	—
2	0.5	BK/GY	2435	Passenger Heated Seat NTC Low Reference	I	—
3	0.5	BU	2425	Driver Heated Back NTC Signal	I	—
4	0.5	WH/BU	2436	Passenger Heated Back NTC Signal	I	—
5	0.5	WH/GY	2434	Passenger Heated Seat NTC Signal	I	—
6	0.5	YE/GY	2079	Driver Heated Seat NTC Signal	I	—
7	—	—	—	Not Occupied	—	—
8	0.35	GN/BU	6133	Local Interconnect Network Serial Data Bus 2	I	—
9	0.35	GN/VT	5906	Driver Seat Vent Motor Control 1	I	—
10	0.35	VT/WH	5908	Passenger Seat Vent Motor Control 1	I	—
11	—	—	—	Not Occupied	—	—
12	0.5	BK/GN	2482	Passenger Heated Back NTC Low Reference	I	—
13 - 16	—	—	—	Not Occupied	—	—

K29 Seat Heating Control Module X2 (AN3-KQV/KB6)



1716517

Connector Part Information

Harness Type: Passenger Seat
OEM Connector: 89047352
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F YESC Kaizen Series (BK)

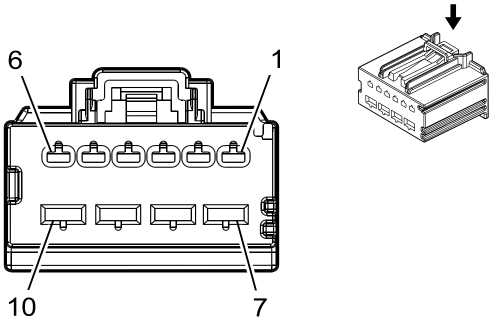
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K29 Seat Heating Control Module X2 (AN3-KQV/KB6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 5	—	—	—	Not Occupied	—	—
6	0.35	GN/BU	6133	Local Interconnect Network Serial Data Bus 2	I	—
7 - 8	—	—	—	Not Occupied	—	—

K29LR Seat Heating Control Module - Left Rear X1



3791446

Connector Part Information

Harness Type: Left Rear Seat
OEM Connector: 31372-1000
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 1.5, 2.8 Series (BK)

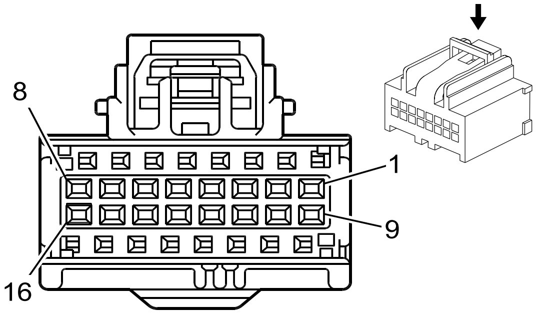
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K29LR Seat Heating Control Module - Left Rear X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/GN	6140	Battery Positive Voltage	I	—
2	0.75	GN/BN	2296	Right Rear Heated Seat Cushion Element Control	I	—
3	0.75	GN/BK	2297	Right Rear Heated Seat Cushion Element Low Reference	I	—
4	0.75 0.75	GN/BN BN/BK	2296 2295	Right Rear Heated Seat Cushion Element Control Left Rear Heated Seat Cushion Element Low Reference	I I	KA6+Z75 KA6-Z75
5	—	—	—	Not Occupied	—	—
6	0.75	GY	2294	Left Rear Heated Seat Cushion Element Control	I	—
7	0.75	RD/GN	6140	Battery Positive Voltage	II	—
8	0.75	BK	1150	Ground	II	—
9	—	—	—	Not Occupied	—	—
10	0.75	RD/GN	5140	Battery Positive Voltage	II	—

K29LR Seat Heating Control Module - Left Rear X2 (X88/Z88+KA6)



1653409

Connector Part Information

Harness Type: Left Rear Seat
OEM Connector: 15136073
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way F 0.64 Kaizen Series (BK)

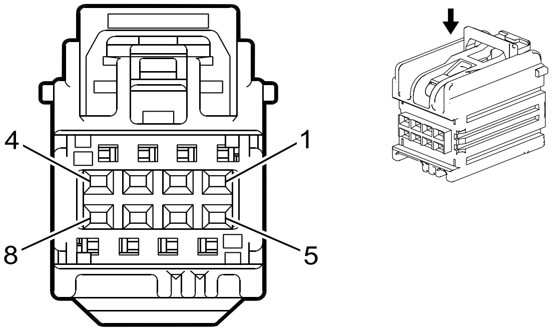
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K29LR Seat Heating Control Module - Left Rear X2 (X88/Z88+KA6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/BU	2298	Left Rear Heated Seat Sensor Low Reference	I	—
2	0.5	BK/GY	2301	Right Rear Heated Seat Sensor Low Reference	I	—
3 - 4	—	—	—	Not Occupied	—	—
5	0.5	BU/GN	2300	Right Rear Heated Seat Sensor Signal	I	—
6	0.5	BU/YE	2299	Left Rear Heated Seat Sensor Signal	I	—
7	0.35	BK	1150	Ground	I	—
8	0.35	GN/BU	6133	Local Interconnect Network Serial Data Bus 2	I	—
9 - 16	—	—	—	Not Occupied	—	—

K29LR Seat Heating Control Module - Left Rear X2 (Z75+KA6)



1716517

Connector Part Information

Harness Type: Left Rear Seat
OEM Connector: 7283-9028-30
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F YESC Kaizen Series (BK)

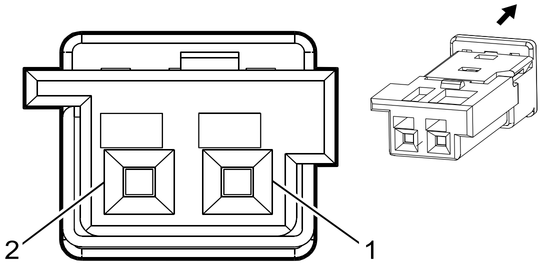
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K29LR Seat Heating Control Module - Left Rear X2 (Z75+KA6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 4	—	—	—	Not Occupied	—	—
5	0.35	BK	1150	Ground	I	—
6	0.35	GN/BU	6133	Local Interconnect Network Serial Data Bus 2	I	—
7 - 8	—	—	—	Not Occupied	—	—

K32 Steering Wheel Heating Control Module X1 (Z75)



2335285

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13235945
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Micro-Quadlock Series (BK)

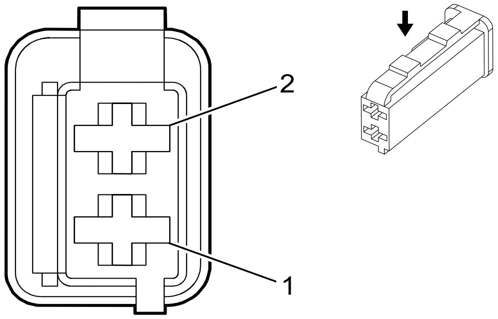
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K32 Steering Wheel Heating Control Module X1 (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE/GY	5883	Heated Steering Wheel Switch Signal	I	—
2	0.35	BN/WH	5884	Heated Steering Wheel Switch LED Control	I	—

K32 Steering Wheel Heating Control Module X2



2339593

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 19179871
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

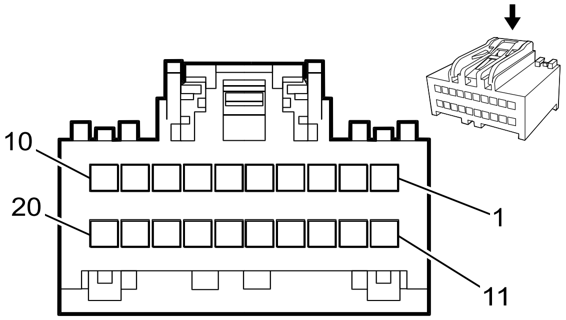
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K32 Steering Wheel Heating Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	—
2	0.5	BK	1050	Ground	I	—

K33 HVAC Control Module X1



Connector Part Information

Harness Type: HVAC
OEM Connector: 19153728
Service Connector: Service by Harness - See Part Catalog
Description: 20-Way F 0.64 Series (GN)

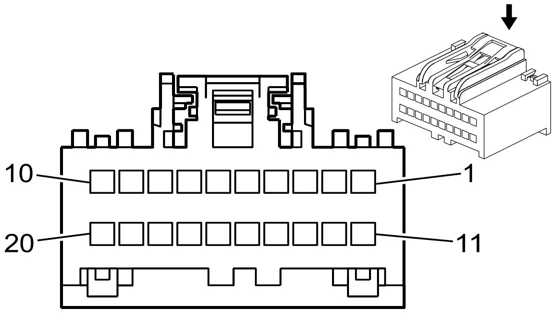
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K33 HVAC Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 3	—	—	—	Not Occupied	—	—
4	0.35	BU/WH	734	Inside Air Temperature Sensor Signal	I	—
5 - 12	—	—	—	Not Occupied	—	—
13	0.35	YE/VT	1783	Twilight Sentinel Delay Signal	I	—
14	0.35	YE/VT	1783	Twilight Sentinel Delay Signal	I	—
15 - 17	—	—	—	Not Occupied	—	—
18	0.35	BN	404	Upper Air Temperature Sensor Signal	I	—
19	0.35	BN/BK	405	Lower Air Temperature Sensor Signal	I	—
20	0.35	GY	590	Solar Sensor Driver Signal	I	—

K33 HVAC Control Module X2



1715226

Connector Part Information

Harness Type: HVAC
OEM Connector: 15126709
Service Connector: Service by Harness - See Part Catalog
Description: 20-Way F USCAR 64 Series (BN with WH Terminal Position Assurance)

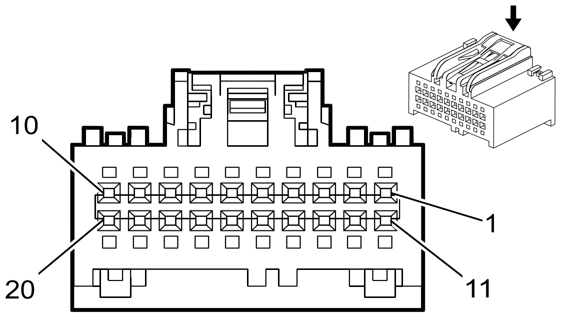
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	—	—	—	—	—	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K33 HVAC Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/VT	3340	Battery Positive Voltage	II	—
2	0.35	GN	5060	Low Speed GMLAN Serial Data	II	—
3	—	—	—	Not Occupied	—	—
4	0.35	GN/YE	7531	Local Interconnect Network Serial Data Bus 9	II	—
5 - 7	—	—	—	Not Occupied	—	—
8	0.35	BK/WH	1851	Signal Ground	II	—
9	0.5	VT/GY	539	Run/Crank Ignition 1 Voltage	II	—
10	0.5	BU/YE	7574	Electric Variable Displacement Control	II	—
11	0.5	BU/BN	7573	Electric Variable Displacement Supply	II	—
12 - 14	—	—	—	Not Occupied	—	—
15	0..5	BU/GY	754	Blower Motor Speed Control	I	—
16	0.35	GN/BK	2211	Rear Blower Motor Speed Control	II	—
17	0.35	GY/RD	598	5V Reference	II	—
18	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	II	—
19	0.35	BN/VT	193	Rear Defog Relay Control	II	—
20	—	—	—	Not Occupied	—	—

K33 HVAC Control Module X3



1715223

Connector Part Information

Harness Type: HVAC
OEM Connector: 15126711
Service Connector: Service by Harness - See Part Catalog
Description: 20-Way F 0.64 Series (BK)

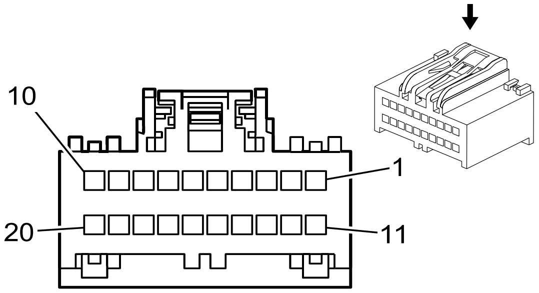
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K33 HVAC Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU	516	Upper Left Air Temperature Sensor Signal	I	—
2	0.35	YE/BN	2273	Mode Door Control	I	—
3	0.35	WH	119	Mode Door Control	I	—
4	0.35	WH/GN	2275	Mode 1 Valve Position Sensor Signal	I	—
5 - 8	—	—	—	Not Occupied	—	—
9	0.35	BK/YE	407	Sensor Low Reference	I	—
10	—	—	—	Not Occupied	—	—
11	0.35	GY/GN	2210	Air Temperature Door Control	I	—
12	0.35	BU/BN	1199	Air Temperature Door Control	I	—
13	0.35	BU/YE	733	Air Temperature Door Position Signal	I	—
14 - 15	—	—	—	Not Occupied	—	—
16	0.35	YE/BK	2274	Recirculation Door Control	I	—
17	0.35	GN	1614	Recirculation Door Control	I	—
18	0.35	VT/GN	1838	Recirculation Door Position Signal	I	—
19	—	—	—	Not Occupied	—	—
20	0.35	GY	6137	EVAP Core Temperature Sensor Signal	I	—

K33 HVAC Control Module X4



Connector Part Information

Harness Type: HVAC
OEM Connector: 15126710
Service Connector: Service by Harness - See Part Catalog
Description: 20-Way F USCAR 64 Series (GY)

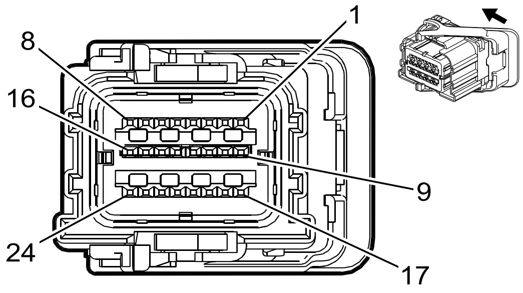
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K33 HVAC Control Module X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 4	—	—	—	Not Occupied	—	—
5	0.35	GY/BK	2778	Passenger Air Temperature Motor Control	I	—
6	0.35	WH/BK	1236	Passenger Air Temperature Door Control	I	—
7	0.35	BN/BU	1646	Passenger Air Temperature Door Position Signal	I	—
8	—	—	—	Not Occupied	—	—
9	0.35	YE	517	Upper Right Air Temperature Sensor Signal	I	—
10	—	—	—	Not Occupied	—	—
11	0.35	GN	518	Lower Left Air Temperature Sensor Signal	I	—
12	0.35	RD	520	Lower Right Air Temperature Sensor Signal	I	—
13	0.35	GN/WH	5729	Rear Mode Motor Control	I	—
14	0.35	BK/GN	5730	Rear Mode Motor Low Reference	I	—
15	0.35	GY	2599	Rear Mode Motor Signal	I	—
16	—	—	—	Not Occupied	—	—
17	0.35	WH/BN	2775	Rear Air Temperature Motor Control	I	—
18	0.35	GY	2614	Rear Air Temperature Door Control	I	—
19	0.35	GY/BU	2145	Passenger Air Temperature Switch Signal	I	—
20	—	—	—	Not Occupied	—	—

K36 Inflatable Restraint Sensing and Diagnostic Module X1



3240106

Connector Part Information

Harness Type: Body
OEM Connector: 13887360
Service Connector: 19328755
Description: 24-Way F 0.64 Series, Sealed (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19328872	J-35616-64B (LT BU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

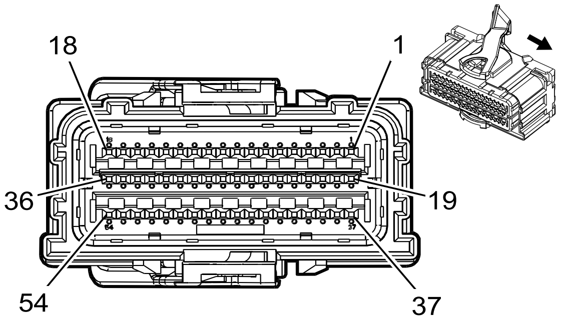
K36 Inflatable Restraint Sensing and Diagnostic Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/GN	3023	Steering Wheel Module Stage 2 High Control	I	—
2	0.35	WH/OG	3022	Steering Wheel Module Stage 2 Low Control	I	—
3	0.35	BN/OG	3020	Steering Wheel Module Stage 1 Low Control	I	—
4	0.35	OG/VT	3021	Steering Wheel Module Stage 1 High Control	I	—
5	0.35	YE/OG	3025	Passenger IP Module Stage 1 High Control	I	—
6	0.35	OG/WH	3024	Passenger IP Module Stage 1 Low Control	I	—
7	0.35	OG/VT	3026	Passenger IP Module Stage 2 Low Control	I	—
8	0.35	GY/OG	3027	Passenger IP Module Stage 2 High Control	I	—
9	0.5	RD/GN	4440	Battery Positive Voltage	I	—
10	0.35	VT/WH	5234	Passenger Seat Belt Indicator Control	I	—
11	0.35	BU	2307	Passenger Air Bag On Indicator Control	I	—
12	0.35	GN	2308	Passenger Air Bag Off Indicator Control	I	—
13	0.35	VT/OG	371	Passenger IP Module Disable Switch Signal	I	—
14	0.35	BU/OG	7328	Passenger IP Module Disable Switch Low Reference	I	—
15	0.5	GN	5060	Low Speed GMLAN Serial Data	I	—
16	—	—	—	Not Occupied	—	—
17	0.5	WH/BU	5986	Serial Data Communication Enable	I	—
18	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
19	0.5	BK/WH	2751	Signal Ground	I	—
20	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—

K36 Inflatable Restraint Sensing and Diagnostic Module X1 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
21 - 24	—	—	—	Not Occupied	—	—

K36 Inflatable Restraint Sensing and Diagnostic Module X2



2817420

Connector Part Information

Harness Type: Body
OEM Connector: 13944372
Service Connector: 19303770
Description: 54-Way F 0.64 Series, Sealed (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19328872	J-35616-64B (LT BU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

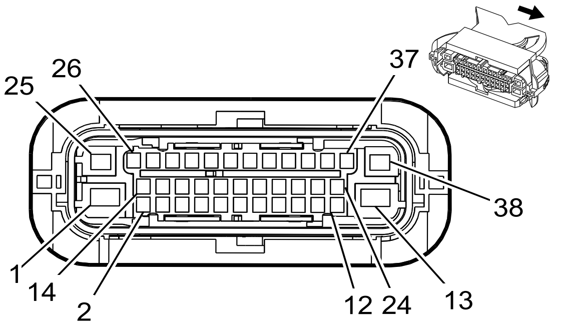
K36 Inflatable Restraint Sensing and Diagnostic Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN/WH	4107	Center Side Impact Module High Control	I	—
2	0.35	VT	4106	Center Side Impact Module Low Control	I	—
3 - 8	—	—	—	Not Occupied	—	—
9	0.35	OG/YE	3481	Driver Seat Belt Anchor Pretensioner High Control	I	—
10	0.35	YE/OG	3482	Driver Seat Belt Anchor Pretensioner Low Control	I	—
11	0.35	GY/OG	3480	Passenger Seat Belt Anchor Pretensioner Low Control	I	—
12	0.35	OG/BN	3479	Passenger Seat Belt Anchor Pretensioner High Control	I	—
13	0.35	OG/BU	3068	Driver Side Impact Module High Control	I	—
14	0.35	GN/OG	3069	Driver Side Impact Module Low Control	I	—
15	0.35	BN/OG	3067	Passenger Side Impact Module Low Control	I	—
16	0.35	OG/GY	3066	Passenger Side Impact Module High Control	I	—
17	0.35	OG/GN	5019	Left Front Head Curtain Module High Control	I	—
18	0.35	VT/OG	5020	Left Front Head Curtain Module Low Control	I	—
19	0.35	OG/GN	2132	Left Front Side Impact Sensing Module Signal	I	—
20	0.35	BK/OG	6628	Left Front Side Impact Sensing Module Low Reference	I	—
21	0.35	BK/OG	6629	Right Front Side Impact Sensing Module Low Reference	I	—
22	0.35	BN/OG	2134	Right Front Side Impact Sensing Module Signal	I	—

K36 Inflatable Restraint Sensing and Diagnostic Module X2 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
23	0.35	OG/YE	354	Left Front Discriminating Sensor Signal	I	—
24	0.35	BK/OG	5045	Left Front Discriminating Sensor Low Reference	I	—
25	0.35	BK/OG	5600	Right Front Discriminating Sensor Low Reference	I	—
26	0.35	OG/GN	1409	Right Front Discriminating Sensor Signal	I	—
27	0.35	OG/BU	6620	Left Middle Side Impact Sensing Module Signal	I	—
28	0.35	BK/OG	6621	Left Middle Side Impact Sensing Module Low Reference	I	—
29	0.35	BK/OG	6625	Right Middle Side Impact Sensing Module Low Reference	I	—
30	0.35	OG/VT	6624	Right Middle Side Impact Sensing Module Signal	I	—
31 - 36	—	—	—	Not Occupied	—	—
37	0.5	RD	3477	Driver Seat Belt Retractor Pretensioner High Control	I	—
38	0.5	GY	3478	Driver Seat Belt Retractor Pretensioner Low Control	I	—
39	0.5	WH	3476	Passenger Seat Belt Retractor Pretensioner Low Control	I	—
40	0.5	GN	3475	Passenger Seat Belt Retractor Pretensioner High Control	I	—
41	0.35	OG/BN	238	Driver Seat Belt Switch Signal	I	—
42	0.35	OG/GN	5055	Driver Seat Position Switch Signal	I	—
43	0.35	BK/OG	1363	Driver Seat Belt Switch Low Reference	I	—
44	0.35	BK/OG	1361	Passenger Seat Belt Switch Low Reference	I	—
45	0.35	OG/VT	1362	Passenger Seat Belt Switch Signal	I	—
46	0.35	OG/BU	5056	Passenger Seat Position Switch Signal	I	—
47 - 52	—	—	—	Not Occupied	—	—
53	0.35	OG/GY	5021	Right Front Head Curtain Module High Control	I	—
54	0.35	WH/OG	5022	Right Front Head Curtain Module Low Control	I	—

K38A Chassis Control Module - Auxiliary



3240110

Connector Part Information

Harness Type: Chassis
OEM Connector: 15533088
Service Connector: 19329924
Description: 38-Way F 1.5 CTS, 2.8 MCP, 4.8 MCP Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19119772	J-35616-35 (VT)	J-38125-557	1241388-1	Lear 17	E	C
II	19301775	J-35616-40 (BU)	J-38125-556	Not Available	Not Available	Not Available	Not Available
III	19301776	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

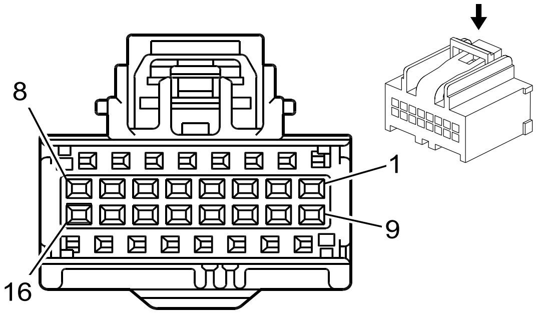
K38A Chassis Control Module - Auxiliary

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/WH	2040	Battery Positive Voltage	II	—
2	0.5	GN/RD	1214	Right Rear Strut Position Sensor 5V Reference	III	—
3	0.5	BK/YE	1215	Right Rear Strut Position Sensor Low Reference	III	—
4	0.5	GN/GY	1216	Right Rear Strut Position Sensor Signal	III	—
5	0.5	YE/RD	1208	Left Rear Strut Position Sensor 5V Reference	III	—
6	0.5	BK/GN	1209	Left Rear Strut Position Sensor Low Reference	III	—
7	0.5	GN/WH	1210	Left Rear Strut Position Sensor Signal	III	—
8	0.5	BU/RD	6076	Real Time Damping Air Pressure Sensor 5V Reference	III	—
9	0.5	BK/YE	6077	Real Time Damping Air Pressure Sensor Low Reference	III	—
10	0.5	YE/GN	6075	Real Time Damping Air Pressure Sensor Signal	III	—
11 - 12	—	—	—	Not Occupied	—	—
13	0.75	BK	1750	Ground	II	—
14	0.5	VT/YE	5985	Accessory Wakeup Serial Data	III	—
15	—	—	—	Not Occupied	—	—
16	0.5	BU/RD	7632	Integrated Trailer Brake Controller Switch 5V Reference	III	—

K38A Chassis Control Module - Auxiliary (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
17	—	—	—	Not Occupied	—	—
18	0.5	BN	7634	Integrated Trailer Brake Controller Redundant Manual Apply Signal	III	—
19	0.5	BK/YE	7631	Integrated Trailer Brake Controller Switch Low Reference	III	—
20	0.5	YE	7635	Integrated Trailer Brake Controller Manual Apply Signal	III	—
21	0.5	GN/BK	7633	Integrated Trailer Brake Controller User Gain Signal	III	—
22	0.5	YE/BK	2224	Trailer Brake Enable Signal	III	—
23	0.5	WH/BK	2223	Trailer Brake Control Signal	III	—
24	—	—	—	Not Occupied	—	—
25	0.75	VT/GN	439	Run/Crank Ignition 1 Voltage	I	—
26	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	III	—
27	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	III	—
28	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	III	—
29	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	III	—
30	0.5	GN/VT	4114	Local Interconnect Network Serial Data Bus 14	III	—
31 - 34	—	—	—	Not Occupied	—	—
35	0.5	BN/YE	1112	Damping Relay Coil Control	III	—
36	0.75	WH/GN	320	Automatic Level Control Exhaust Solenoid Control	III	—
37 - 38	—	—	—	Not Occupied	—	—

K39 Liftgate Control Module X1



1653409

Connector Part Information

Harness Type: Liftgate
OEM Connector: 15491285
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way F 0.64 Kaizen Series (BK)

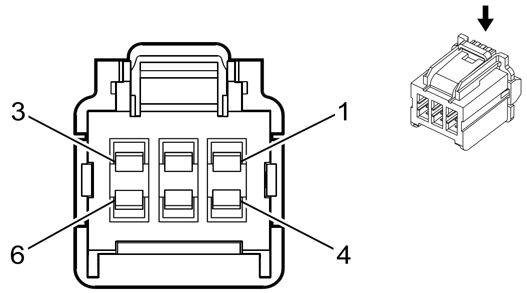
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K39 Liftgate Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/BU	6112	Power Lift Gate On/Off Switch Signal	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	GN/RD	3033	Lift Gate Shut Face Switch Signal	I	—
4	0.35	VT/GN	3987	Cinch Latch Lift Gate Signal	I	—
5	0.35	BU/BK	6000	Lift Gate Ajar Switch Signal 2	I	—
6	0.35	YE	3988	Detent Lift Gate Signal	I	—
7	0.5	GN	5060	Low Speed GMLAN Serial Data	I	—
8	0.35	WH/BK	6126	Lift Gate Object Sensor 2 Signal	I	—
9	0.35	GN/WH	6127	Lift Gate Unlatch Switch Signal	I	—
10	0.5	YE/OG	5797	Rear Closure Handle Switch Open Signal	I	—
11	—	—	—	Not Occupied	—	—
12	0.5	GY/BK	6113	Rear Lift Gate Open/Close Switch Signal	I	—
13	—	—	—	Not Occupied	—	—
14	0.35	YE/BU	5797	Rear Closure Handle Switch Open Signal	I	—
15	0.5	GN/BN	4118	Local Interconnect Network Serial Data Bus 18	I	—
16	0.35	BK/VT	5801	Lift Gate Object Sensor Low Reference	I	—

K39 Liftgate Control Module X2



2889074

Connector Part Information

Harness Type: Liftgate
OEM Connector: 13796274
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 280 GT Series (BK)

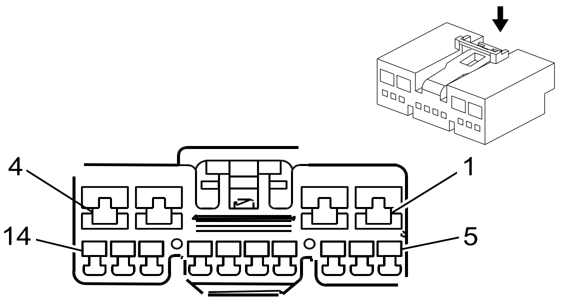
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K39 Liftgate Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BU/GY	5791	Lift Gate Cinch Latch Motor Close Control	I	—
2	1	BN	5790	Lift Gate Cinch Latch Motor Open Control	I	—
3	3	RD/GY	7040	Battery Positive Voltage	I	—
4	0.5	RD/BU	840	Battery Positive Voltage	I	—
5	—	—	—	Not Occupied	—	—
6	3	BK	1450	Ground	I	—

K39 Liftgate Control Module X3



1469285

Connector Part Information

Harness Type: Liftgate
OEM Connector: 15466088
Service Connector: Service by Harness - See Part Catalog
Description: 14-Way F 0.64, 2.8 YESC Series (L-GY)

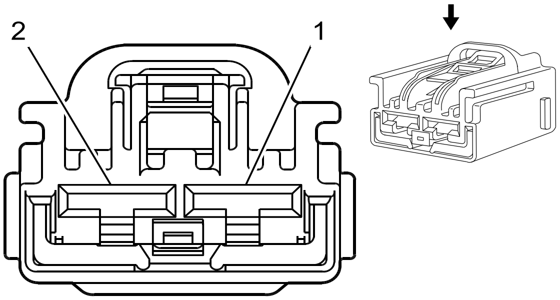
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K39 Liftgate Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2	WH	5798	Lift Gate Open/Close Motor Open Control	I	—
2	2	BN/WH	5799	Lift Gate Open/Close Motor Close Control	I	—
3 - 7	—	—	—	Not Occupied	—	—
8	0.35	BN/RD	5803	Lift Gate Position Sensor 5V Reference	II	—
9	0.35	BU/WH	5805	Lift Gate Position Sensor Signal 1	II	—
10	0.35	BN/YE	5806	Lift Gate Position Sensor Signal 2	II	—
11	0.35	BK/GN	5804	Lift Gate Position Sensor Low Reference	II	—
12	—	—	—	Not Occupied	—	—
13	0.5	GY	3986	Cinch Latch Lift Gate Stall Motor Release Signal	II	—
14	—	—	—	Not Occupied	—	—

K40D Seat Memory Control Module - Driver X1



Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7283-6458-40
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 6.3 Series (L-GY)

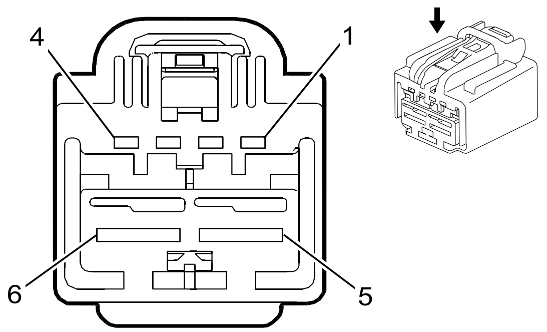
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K40D Seat Memory Control Module - Driver X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/BN	1140	Battery Positive Voltage	I	—
2	2.5	RD/YE	5040	Battery Positive Voltage	I	—

K40D Seat Memory Control Module - Driver X2



1798802

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7283-9749-30
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F YESC Kaizen Series (BK)

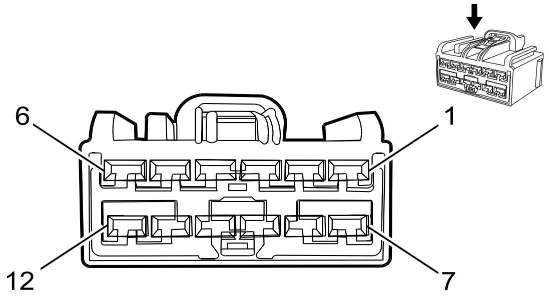
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K40D Seat Memory Control Module - Driver X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN	5060	Low Speed GMLAN Serial Data	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	GN/WH	7530	Local Interconnect Network Serial Data Bus 8	I	—
4	0.35	GN/GY	3758	Local Interconnect Network Serial Data Bus 13	I	—
5	2.5	BK	1150	Ground	II	—
6	—	—	—	Not Occupied	—	—

K40D Seat Memory Control Module - Driver X3



2231648

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7283-6467-40
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 2.8 Kaizen Series (L-GY)

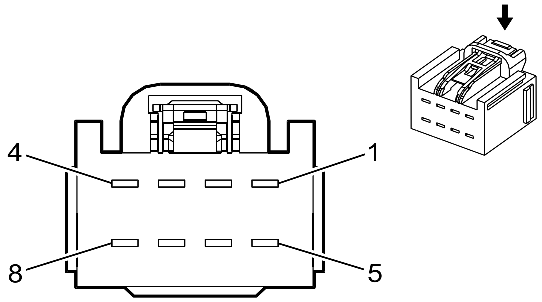
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K40D Seat Memory Control Module - Driver X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GN/YE	276	Driver Power Seat Recline Motor Forward Control	I	—
2	1.5	BU/YE	277	Driver Power Seat Recline Motor Rearward Control	I	—
3	1.5	GN/BN	286	Driver Power Seat Front Vertical Motor Up Control	I	—
4	1.5	BU/VT	287	Driver Power Seat Front Vertical Motor Down Control	I	—
5	1.5	YE	282	Driver Power Seat Rear Vertical Motor Up Control	I	—
6	1.5	GY/BU	283	Driver Power Seat Rear Vertical Motor Down Control	I	—
7	1.5	YE/BN	768	Driver Power Seat Lumbar Motor Up Control	I	—
8	1.5	YE/BU	767	Driver Power Seat Lumbar Motor Down Control	I	—
9	1.5	BU	611	Driver Power Seat Lumbar Motor Forward Control	I	—
10	1.5	VT	610	Driver Power Seat Lumbar Motor Rearward Control	I	—
11	1.5	YE/BU	285	Driver Power Seat Horizontal Motor Forward Control	I	—
12	1.5	GY/GN	284	Driver Power Seat Horizontal Motor Rearward Control	I	—

K40D Seat Memory Control Module - Driver X4



2832199

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7283-3243-40
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 2.8 Series (L-GY)

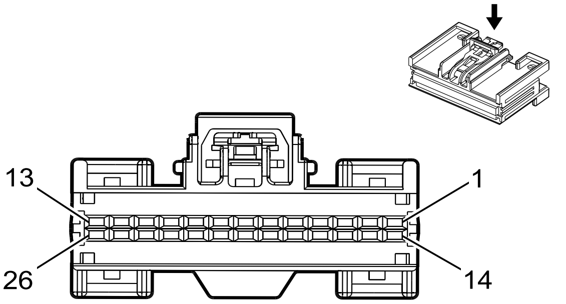
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K40D Seat Memory Control Module - Driver X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GN/VT	5130	Adjustable Pedal Actuator Forward Control	I	—
2	1.5	YE	5129	Adjustable Pedal Actuator Rearward Control	I	—
3 - 8	—	—	—	Not Occupied	—	—

K40D Seat Memory Control Module - Driver X5



2916473

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7287-2043-30
Service Connector: Service by Harness - See Part Catalog
Description: 26-Way F 0.64 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

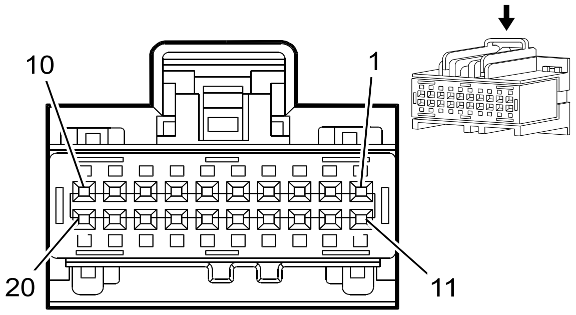
K40D Seat Memory Control Module - Driver X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/RD	3298	Memory Sensor High Reference 2	I	—
2 - 3	—	—	—	Not Occupied	—	—
4	0.5	BN	3038	Right Rear Haptic Seat Motor Control	I	—
5	0.5	YE/BN	3037	Left Rear Haptic Seat Motor Control	I	—
6	0.5	BK/GY	6206	Memory Sensor Low Reference	I	—
7	0.5	YE/BN	1522	Power Seat Horizontal Forward Switch Signal	I	—
8	0.5	GY/GN	1523	Power Seat Horizontal Rearward Switch Signal	I	—
9	0.5	GN/BN	1518	Power Seat Front Vertical Up Switch Signal	I	—
10	0.5	BU/VT	1520	Power Seat Front Vertical Down Switch Signal	I	—
11	0.5	GN	569	Memory Seat Horizontal Motor Position Sensor Signal	I	—
12	0.5	BN/WH	557	Memory Seat Front Vertical Motor Position Sensor Signal	I	—
13	0.5	WH/RD	6207	Memory Sensor High Reference	I	—
14	0.5	YE	1065	Driver Seat Lumbar Forward Switch Signal	I	—
15	0.5	BU/VT	1064	Driver Seat Lumbar Rearward Switch Signal	I	—
16	0.5	WH	1066	Driver Seat Lumbar Up Switch Signal	I	—
17	0.5	YE/BK	1067	Driver Seat Lumbar Down Switch Signal	I	—
18	—	—	—	Not Occupied	—	—
19	0.5	YE	1519	Power Seat Rear Vertical Up Switch Signal	I	—
20	0.5	YE/BU	1521	Power Seat Rear Vertical Down Switch Signal	I	—

K40D Seat Memory Control Module - Driver X5 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
21	0.5	GY/BK	1269	Power Seat Recline Forward Switch Signal	I	—
22	0.5	GN/GY	1270	Power Seat Recline Rearward Switch Signal	I	—
23 - 24	—	—	—	Not Occupied	—	—
25	0.5	YE/BU	568	Memory Seat Rear Vertical Motor Position Sensor Signal	I	—
26	0.5	WH/BK	570	Driver Memory Seat Recline Motor Position Sensor Signal	I	—

K40D Seat Memory Control Module - Driver X6



1664552

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 31410-1201
Service Connector: Service by Harness - See Part Catalog
Description: 20-Way F 64 Series, Sealed (GY)

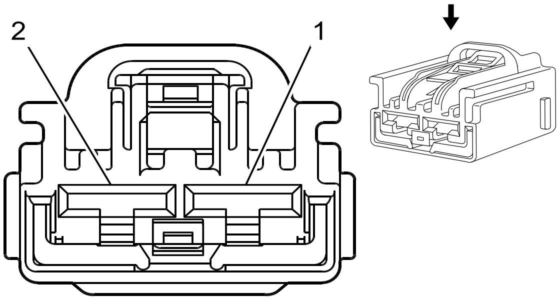
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K40D Seat Memory Control Module - Driver X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 3	—	—	—	Not Occupied	—	—
4	0.35	BU	5952	Adjustable Pedal Position Sensor Brake Signal	I	—
5	—	—	—	Not Occupied	—	—
6	0.35	GN/GY	5286	Adjustable Pedal Switch Forward Signal	I	—
7	0.35	WH/GY	5285	Adjustable Pedal Switch Rearward Signal	I	—
8 - 10	—	—	—	Not Occupied	—	—
11	0.35	BK/BU	5978	Memory Switch Low Reference	I	—
12	0.35	WH	615	Memory Seat Switch Signal 1	I	—
13 - 14	—	—	—	Not Occupied	—	—
15	0.35	GN/BU	614	Memory Seat Switch Set Signal	I	—
16 - 20	—	—	—	Not Occupied	—	—

K40P Seat Memory Control Module - Passenger X1



1817814

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7283-6458-40
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 6.3 Series (L-GY)

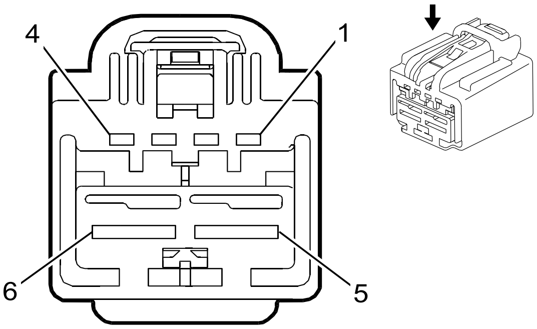
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K40P Seat Memory Control Module - Passenger X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/BN	1140	Battery Positive Voltage	I	—
2	2.5	RD/BN	1440	Battery Positive Voltage	I	—

K40P Seat Memory Control Module - Passenger X2



1798802

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7283-9749-30
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F YESC Kaizen Series (BK)

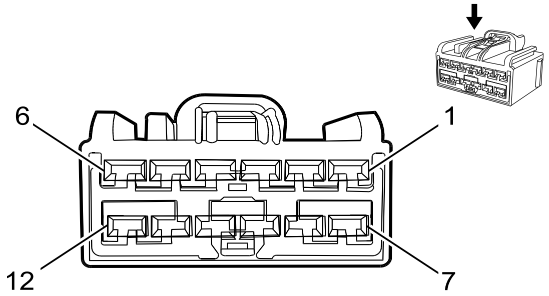
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K40P Seat Memory Control Module - Passenger X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN	5060	Low Speed GMLAN Serial Data	I	—
2 - 3	—	—	—	Not Occupied	—	—
4	0.35	GN/GY	3758	Local Interconnect Network Serial Data Bus 13	I	—
5	2.5	BK	1250	Ground	II	—
6	—	—	—	Not Occupied	—	—

K40P Seat Memory Control Module - Passenger X3



2231648

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7283-6467-40
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 2.8 Kaizen Series (L-GY)

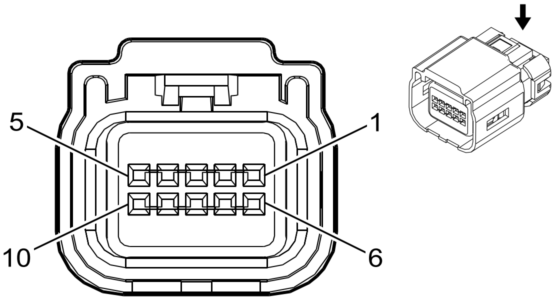
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K40P Seat Memory Control Module - Passenger X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	BU/BN	77	Passenger Power Seat Recline Motor Rearward Control	I	—
2	1.5	GN	76	Passenger Power Seat Recline Motor Forward Control	I	—
3	1.5	GN/BU	298	Passenger Power Seat Front Vertical Motor Down Control	I	—
4	1.5	GN/VT	297	Passenger Power Seat Front Vertical Motor Up Control	I	—
5	1.5	BU/WH	289	Passenger Power Seat Rear Vertical Motor Down Control	I	—
6	1.5	GN/WH	288	Passenger Power Seat Rear Vertical Motor Up Control	I	—
7 - 10	—	—	—	Not Occupied	—	—
11	1.5	YE/BU	290	Passenger Power Seat Horizontal Motor Rearward Control	I	—
12	1.5	YE/WH	296	Passenger Power Seat Horizontal Motor Forward Control	I	—

K43 Power Steering Control Module X1



3608472

Connector Part Information

Harness Type: Power Steering Jumper
OEM Connector: 28249219
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 Kaizen Series, Sealed (BK)

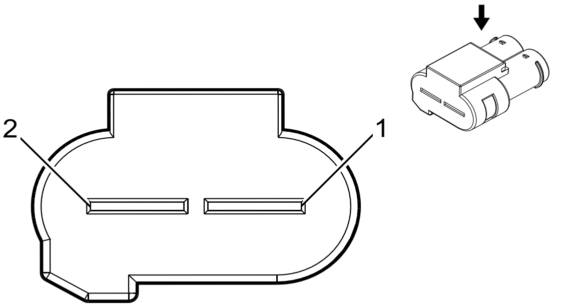
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K43 Power Steering Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
2	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
3	0.5	WH/GN	6106	High Speed GMLAN Serial Data (-) 2	II	—
4	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	II	—
5	0.5	WH/BU	5986	Serial Data Communication Enable	II	—
6	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
7	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
8	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
9	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	II	—
10	—	—	—	Not Occupied	—	—

K43 Power Steering Control Module X2



3608474

Connector Part Information

Harness Type: Power Steering Jumper
OEM Connector: 28208864
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F (BK)

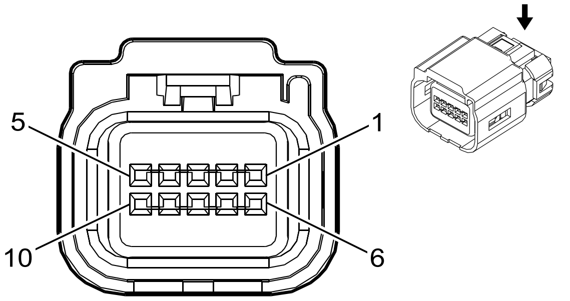
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K43 Power Steering Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	20	RD/VT	842	Battery Positive Voltage	I	—
2	20	BK	350	Ground	I	—

K43 Power Steering Control Module X3



3608469

Connector Part Information

Harness Type: Power Steering Jumper
OEM Connector: 28249220
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 Kaizen Series, Sealed (GY)

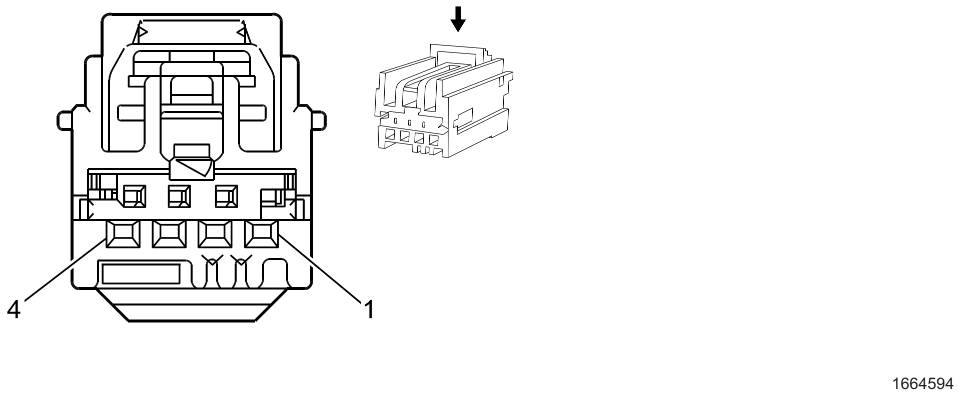
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K43 Power Steering Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD	—	5-Volt Reference	I	—
2	0.5	TN	—	SDA	I	—
3	0.5	BU/GN	—	TRQ2 PWM Q2	I	—
4	0.5	BK	—	Low Reference	I	—
5	0.5	GN	—	TOR IN 1	I	—
6	0.5	VT	—	SCL	I	—
7	0.5	WH	—	TRQ1 PWM Q1	I	—
8	—	—	—	Not Occupied	—	—
9	0.5	GN/BU	—	TOR IN 2	I	—
10	—	—	—	Not Occupied	—	—

K53D Seat Blower Assembly - Driver Back (KB6)



Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 7283-9016-30
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F (BK)

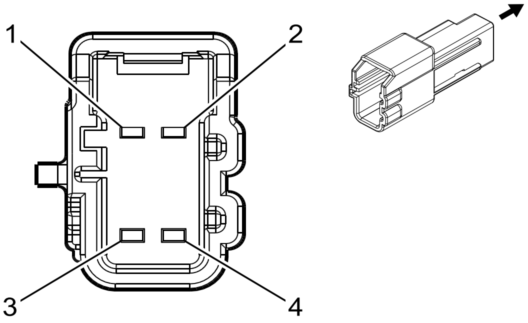
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K53D Seat Blower Assembly - Driver Back (KB6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/GN	5140	Battery Positive Voltage	I	—
2	0.75	BN	2432	Driver Heated Back Element Control	I	—
3	0.35	GN/VT	5906	Driver Seat Vent Motor Control 1	I	—
4	0.75	BK	1150	Ground	I	—

K53D Seat Blower Assembly - Driver Back (KQV)



4210503

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 6098-7779
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.2 Series (BK)

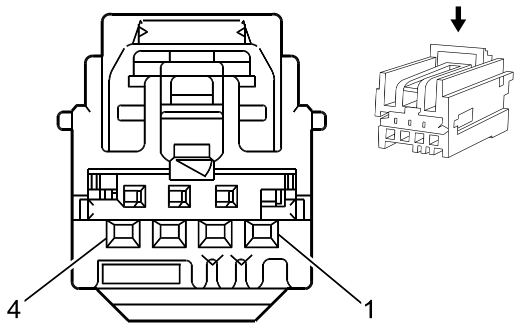
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K53D Seat Blower Assembly - Driver Back (KQV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/GN	5140	Battery Positive Voltage	I	—
2	0.35	GN/VT	5906	Driver Seat Vent Motor Control 1	I	—
3	0.75	BK	1150	Ground	I	—
4	—	—	—	Not Occupied	—	—

K53P Seat Blower Assembly - Passenger Back (KB6)



Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 7283-9016-30
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F (BK)

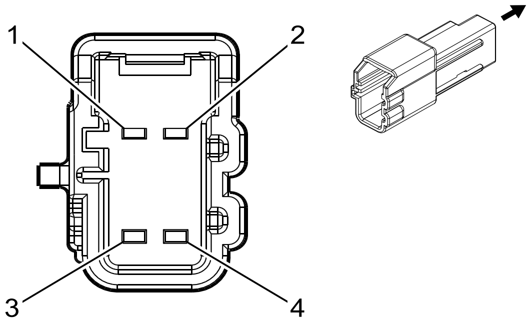
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K53P Seat Blower Assembly - Passenger Back (KB6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/GN	6140	Battery Positive Voltage	I	—
2	0.75	WH/BN	2481	Passenger Heated Back Element Control	I	—
3	0.35	VT/WH	5908	Passenger Seat Vent Motor Control 1	I	—
4	0.75	BK	1250	Ground	I	—

K53P Seat Blower Assembly - Passenger Back (KQV)



4210503

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 6098-7779
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.2 Series (BK)

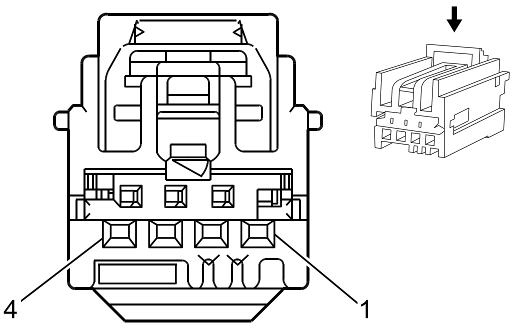
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K53P Seat Blower Assembly - Passenger Back (KQV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/GN	6140	Battery Positive Voltage	I	—
2	0.35	VT/WH	5908	Passenger Seat Vent Motor Control 1	I	—
3	0.75	BK	1250	Ground	I	—
4	—	—	—	Not Occupied	—	—

K55D Seat Blower Assembly - Driver Cushion (KB6)



1664594

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7283-9016-30
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F (BK)

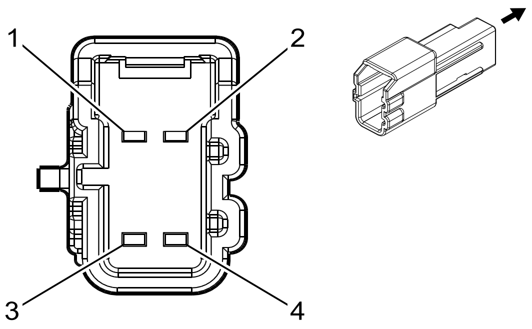
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K55D Seat Blower Assembly - Driver Cushion (KB6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/GN	5140	Battery Positive Voltage	I	—
2	0.75	BN/VT	2077	Driver Heated Seat Element Control	I	—
3	0.35	GN/VT	5906	Driver Seat Vent Motor Control 1	I	—
4	0.75	BK	1150	Ground	I	—

K55D Seat Blower Assembly - Driver Cushion (KQV)



4166306

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 6098-7781
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.2 Series (GY)

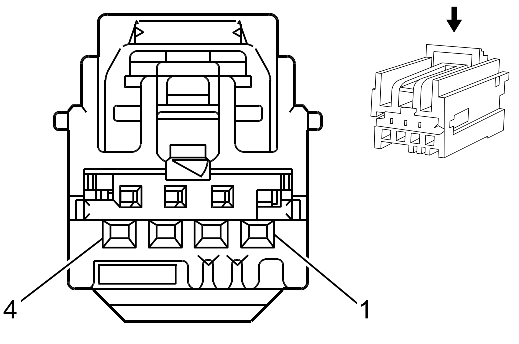
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K55D Seat Blower Assembly - Driver Cushion (KQV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/GN	5140	Battery Positive Voltage	I	—
2	0.35	GN/VT	5906	Driver Seat Vent Motor Control 1	I	—
3	0.75	BK	1150	Ground	I	—
4	—	—	—	Not Occupied	—	—

K55P Seat Blower Assembly - Passenger Cushion (KB6)



1664594

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7283-9016-30
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F (BK)

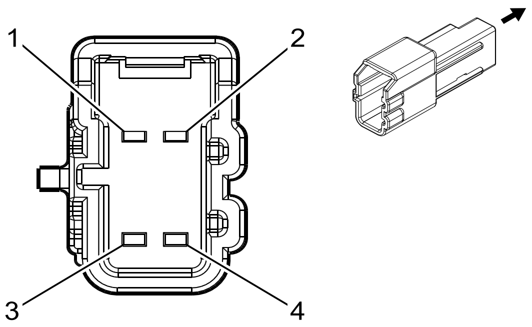
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K55P Seat Blower Assembly - Passenger Cushion (KB6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/GN	6140	Battery Positive Voltage	I	—
2	0.75	BN/BU	2479	Passenger Heated Seat Element Control	I	—
3	0.35	VT/WH	5908	Passenger Seat Vent Motor Control 1	I	—
4	0.75	BK	1250	Ground	I	—

K55P Seat Blower Assembly - Passenger Cushion (KQV)



4166306

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 6098-7781
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.2 Series (GY)

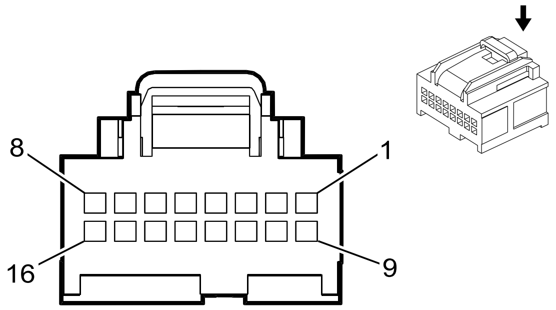
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K55P Seat Blower Assembly - Passenger Cushion (KQV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/GN	6140	Battery Positive Voltage	I	—
2	0.35	VT/WH	5908	Passenger Seat Vent Motor Control 1	I	—
3	0.75	BK	1250	Ground	I	—
4	—	—	—	Not Occupied	—	—

K56 Serial Data Gateway Module X1



3240102

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13819409
Service Connector: 13582576
Description: 16-Way F 0.64 OCS Series (BK)

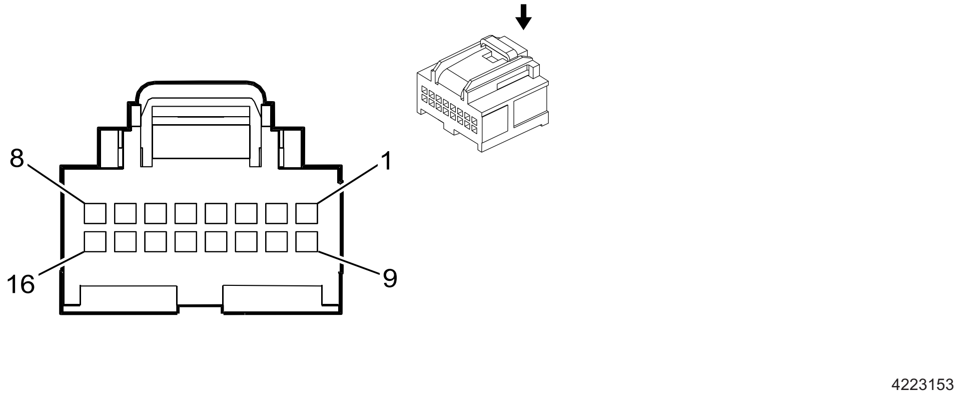
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300660	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K56 Serial Data Gateway Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/VT	3340	Battery Positive Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	BU/GN	1304	High Speed GMLAN Serial Data (+)9	I	—
4	0.35	WH/GN	1305	High Speed GMLAN Serial Data (-)9	I	—
5	—	—	—	Not Occupied	—	—
6	0.35	BK/WH	1851	Signal Ground	I	—
7	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
8	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
9	—	—	—	Not Occupied	—	—
10	0.35	WH/BU	5986	Serial Data Communication Enable	I	—
11	0.35	BU/GN	1304	High Speed GMLAN Serial Data (+)9	I	—
12	0.35	WH/GN	1305	High Speed GMLAN Serial Data (-)9	I	—
13	0.35	BU/GN	1304	High Speed GMLAN Serial Data (+)9	I	—
14	0.35	WH/GN	1305	High Speed GMLAN Serial Data (-)9	I	—
15	0.5	GN	5060	Low Speed GMLAN Serial Data	I	—
16	—	—	—	Not Occupied	—	—

K56 Serial Data Gateway Module X2



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13781484
Service Connector: 13582575
Description: 16-Way F 0.64 OCS Series (GY)

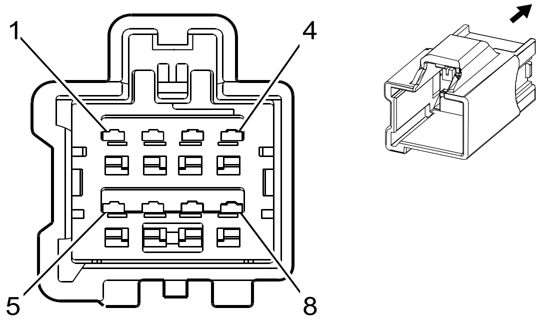
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300660	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K56 Serial Data Gateway Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
2	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
3	0.35	BU/GY	3935	High Speed GMLAN Serial Data (+) 8	I	—
4	0.35	WH/GY	3936	High Speed GMLAN Serial Data (-) 8	I	—
5	0.35	BU/GY	3935	High Speed GMLAN Serial Data (+) 8	I	—
6	0.35	WH/GY	3936	High Speed GMLAN Serial Data (-) 8	I	—
7	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
8	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
9	—	—	—	Not Occupied	—	—
10	0.5	GY/GN	1102	Low Speed GMLAN Serial Data #2	I	—
11 - 12	—	—	—	Not Occupied	—	—
13	0.35	BU/GY	3935	High Speed GMLAN Serial Data (+) 8	I	—
14	0.35	WH/GY	3936	High Speed GMLAN Serial Data (-) 8	I	—
15	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
16	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—

K60 Steering Column Lock Module



1849807

Connector Part Information

Harness Type: Steering Column
OEM Connector: 13580897
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way M 1.5 YESC Kaizen Series (L-GY)

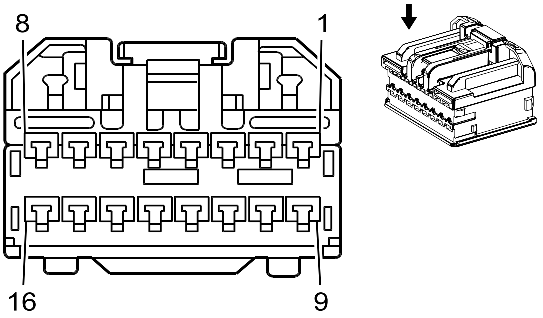
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K60 Steering Column Lock Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.35	BU/VT	5904	Steering Column Lock Status Signal	I	—
3	0.75	BU/VT	807	OFF /Accessory Ignition Voltage	I	—
4	0.35	GN/VT	1601	Steering Column Lock Signal	I	—
5	0.75	RD/GY	4140	Battery Positive Voltage	I	—
6	0.75	BK	1050	Ground	I	—
7	0.75	BK	1050	Ground	I	—
8	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—

K69 Transfer Case Control Module X1



1866235

Connector Part Information

Harness Type: Brake Clutch Jumper
OEM Connector: 13547237
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way F 1.5 Series (GY)

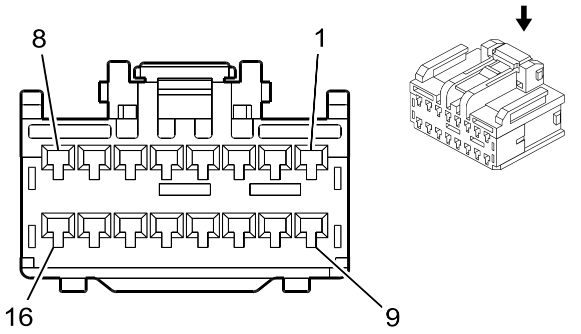
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K69 Transfer Case Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BK	7478	Rotary Position Sensor Low Reference	I	—
2	0.5	WH/GN	7479	Rotary Position Sensor Signal	I	—
3	0.35	YE	7474	Incremental Encoder Direction Signal	I	—
4	0.5	GY/BK	1570	Front Axle Actuator Control	I	—
5	0.35	BU/GY	7473	Incremental Encoder Impulse Signal	I	—
6	0.35	GY/RD	6029	Four Wheel Drive Mode Switch 5V Reference	I	—
7	0.35	BU/YE	1693	Four Wheel Drive Switch Signal	I	—
8	—	—	—	Not Occupied	—	—
9	0.5	WH/RD	7477	Rotary Position Sensor 5V Reference	I	—
10	0.35	WH/GN	7475	Incremental Encoder Sensor 8V Reference	I	—
11	0.35	VT	7476	Incremental Encoder Sensor Low Reference	I	—
12	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator Control	I	—
13	1	YE/BN	1569	Transfer Case Lock Solenoid Control	I	—
14 - 16	—	—	—	Not Occupied	—	—

K69 Transfer Case Control Module X2



1653404

Connector Part Information

Harness Type: Brake Clutch Jumper
OEM Connector: 15489823
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way F 1.5 Series (BK)

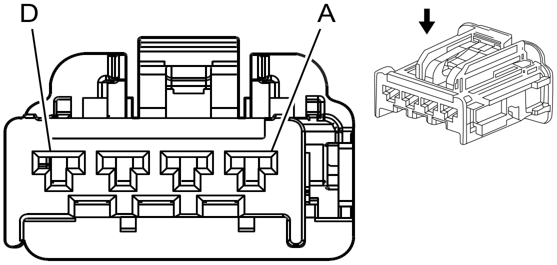
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K69 Transfer Case Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.35	VT/WH	1565	4 LO Indicator Control	I	—
4	0.35	VT/GN	1739	Run/Crank Ignition 1 Voltage	I	—
5	—	—	—	Not Occupied	—	—
6	0.35	VT/YE	5985	Accessory Wakeup Serial Data	I	—
7	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
8	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
9 - 10	—	—	—	Not Occupied	—	—
11	0.35	GY/GN	1561	AWD Indicator Control	I	—
12	0.35	BN	1560	Neutral Indicator Control	I	—
13	0.35	GN/BK	1563	2 HI Indicator Control	I	—
14	0.35	BN/BK	1566	4 HI Indicator Control	I	—
15	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
16	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—

K69 Transfer Case Control Module X3



1866237

Connector Part Information

Harness Type: Brake Clutch Jumper
OEM Connector: 15466671
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 280 GT Series (L-GY)

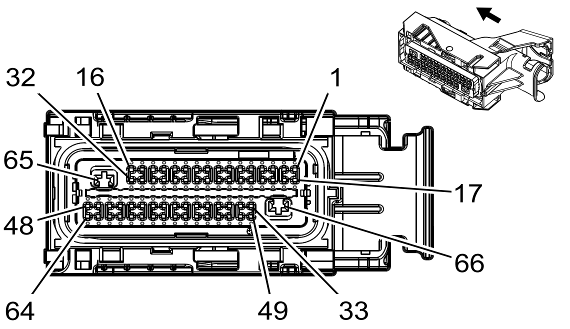
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K69 Transfer Case Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	4	YE/VT	1553	Transfer Case Motor Counter Clockwise Control	I	—
B	4	YE/GY	1552	Transfer Case Motor Clockwise Control	I	—
C	3	RD/GY	1342	Battery Positive Voltage	I	—
D	3	BK	550	Ground	I	—

K71 Transmission Control Module



Connector Part Information

Harness Type: Engine
OEM Connector: 13965710
Service Connector: 19329822
Description: 66-Way F 0.64, 2.8 Series, Sealed (BK with BK Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13505803	J-35616-35 (VT)	J-38125-12A	1326030-8	Lear 17	A	4
II	13575812	J-35616-64B (LT BU)	J-38125-213	Not Available	Not Available	Not Available	Not Available

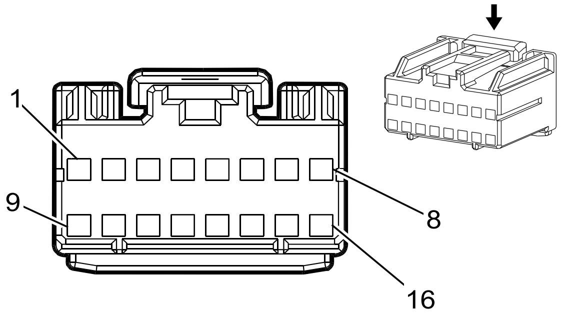
K71 Transmission Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BU	4507	Transmission Clutch H Control	II	—
2	0.5	BU	6401	Clutch B Control	II	—
3	0.5	GY/GN	6403	Clutch D Control	II	—
4	0.5	VT	4509	Transmission Clutch F Control	II	—
5 - 6	—	—	—	Not Occupied	—	—
7	0.5	YE/GN	4170	Transmission Position Sensor B 9V Reference	II	—
8	0.5	YE/BU	4171	Transmission Position Sensor A 9V Reference	II	—
9 - 10	—	—	—	Not Occupied	—	—
11	0.5	YE/GN	1147	Transmission Shift Inhibit Signal	II	—
12	0.5	GN/YE	6353	Input Speed Signal	II	—
13	0.5 0.5	GN/VT BU/WH	4510 4174	Transmission Intermediate Speed Signal Transmission Speed Input Signal High	II II	M5U/M5X MF6
14	0.5	GY/BU	6358	Output Speed Signal	II	—
15	0.5 0.5	GN/YE GN/VT	6353 4510	Input Speed Signal Transmission Intermediate Speed Signal	II II	M5U/M5X MF6
16	—	—	—	Not Occupied	—	—
17	0.5	WH	4508	Transmission Clutch G Control	II	—
18	0.5	BN	6400	Clutch A Control	II	—
19	0.5	GY	6402	Clutch C Control	II	—

K71 Transmission Control Module (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
20	0.5	YE/BN	6404	Clutch E Control	II	—
21	0.5	GN/WH	6380	TCC On/Off Solenoid A Control	II	—
22	0.5	YE/BN	6210	TCC On/Off Solenoid B Control	II	—
23 - 24	—	—	—	Not Occupied	—	—
25	0.5	BK/GY	3927	IMS Mode Switch Low Reference	II	—
26 - 27	—	—	—	Not Occupied	—	—
28	0.5	BK/BN	586	Transmission Oil Temperature Sensor Low Reference	II	—
29 - 32	—	—	—	Not Occupied	—	—
33	0.75	GN/GY	6387	Transmission High Side Driver 1 Signal Driver	II	—
34	—	—	—	Not Occupied	—	—
35	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	II	—
36	—	—	—	Not Occupied	—	—
37	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
38	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
39 - 46	—	—	—	Not Occupied	—	—
47	0.5	GY/YE	4169	PRNDL S Signal	II	—
48	—	—	—	Not Occupied	—	—
49	0.75	GY/BN	6388	Transmission High Side Driver 2 Signal	II	—
50	—	—	—	Not Occupied	—	—
51	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	—
52	—	—	—	Not Occupied	—	—
53	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
54	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
55 - 58	—	—	—	Not Occupied	—	—
59	0.5	GY/WH	4168	PRNDL P Signal	II	—
60	0.5	WH/BK	5983	PRNDL C Signal	II	—
61	0.5	GY/BN	5982	PRNDL B Signal	II	—
62	0.5	VT/WH	5981	PRNDL A Signal	II	—
63	0.5	BN/WH	585	Transmission Oil Temperature Sensor Signal	II	—
64	0.5	GN/YE	5724	Ignition Mode Switch Mode Control	II	—
65	1.5	BK/WH	451	Signal Ground	I	—
66	1.5	RD/GN	1840	Battery Positive Voltage	I	—

K73 Telematics Communication Interface Control Module X1



1471689

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15431362
Service Connector: 15306351
Description: 16-Way F 100A Micro-Pack Series (NA)

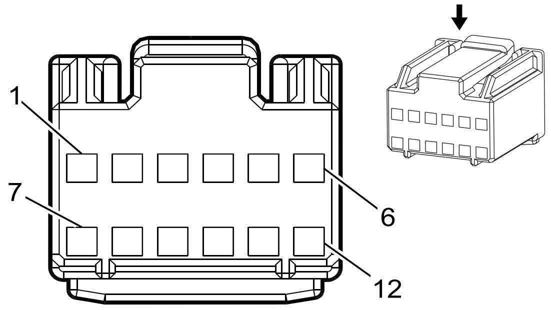
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575548	J-35616-16 (LT GN)	J-38125-559	15445905	Delphi 23	J	J

K73 Telematics Communication Interface Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/GN	1102	Low Speed GMLAN Serial Data #2	I	—
2	0.35	BN/WH	2517	Keypad Red LED Control	I	—
3	0.35	YE/VT	2516	Keypad Green LED Control	I	—
4 - 5	—	—	—	Not Occupied	—	—
6	0.35	GN/BK	2515	Keypad Control	I	—
7	0.35	BK	2550	Ground	I	—
8	—	—	—	Not Occupied	—	—
9	0.35	GY/BK	1160	External Speaker Signal (-)	I	—
10	0.35	BU/GN	1304	High Speed GMLAN Serial Data (+)9	I	—
11	0.35	GN/WH	2514	Keypad Signal	I	—
12	0.35	WH/GN	1305	High Speed GMLAN Serial Data (-)9	I	—
13 - 14	—	—	—	Not Occupied	—	—
15	0.35	RD/BU	3240	Battery Positive Voltage	I	—
16	—	—	—	Not Occupied	—	—

K73 Telematics Communication Interface Control Module X2



1471691

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15431365
Service Connector: 88952886
Description: 12-Way F 100A Micro-Pack Series (NA)

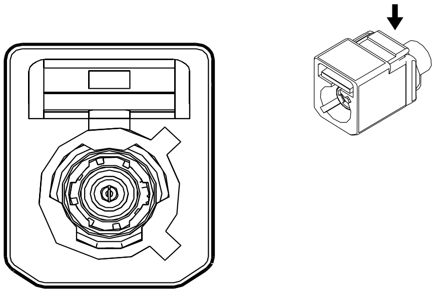
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575548	J-35616-16 (LT GN)	J-38125-559	15445905	Delphi 23	J	J

K73 Telematics Communication Interface Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	658	Cellular Telephone Voice Signal	I	—
2	0.35	BK/YE	659	Cellular Telephone Voice Low Reference	I	—
3	0.5	BU/GN	1304	High Speed GMLAN Serial Data (+)9	I	—
4	0.5	WH/GN	1305	High Speed GMLAN Serial Data (-)9	I	—
5	0.5	Bare	1792	Low Reference	I	—
6	0.35	GY/YE	5149	Voice Recognition Audio Signal	I	—
7	0.35	WH/BU	5986	Serial Data Communication Enable	I	—
8	0.35	Bare	1782	Low Reference	I	—
9	0.35	BU	655	Cellular Telephone Microphone Signal	I	—
10	0.35	BK/BN	654	Cellular Telephone Microphone Low Reference	I	—
11	0.35	VT/WH	1159	External Speaker Signal (+)	I	—
12	0.35	BK/GY	5152	Voice Recognition Audio Low Reference	I	—

K73 Telematics Communication Interface Control Module X5



3963611

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13591273
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (VT)

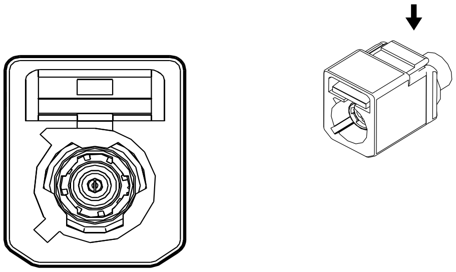
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K73 Telematics Communication Interface Control Module X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	I	—

K73 Telematics Communication Interface Control Module X7



4002773

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13591276
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BN)

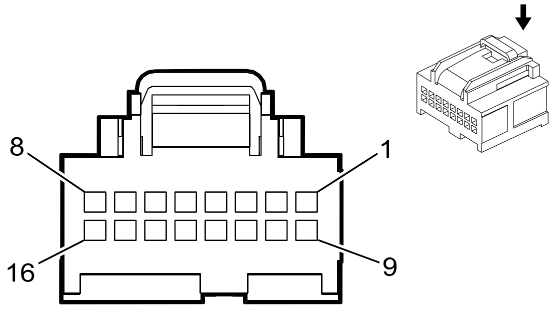
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K73 Telematics Communication Interface Control Module X7

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	I	—

K74 Human Machine Interface Control Module X1



3240102

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13819409
Service Connector: 13582576
Description: 16-Way F 0.64 OCS Series (BK)

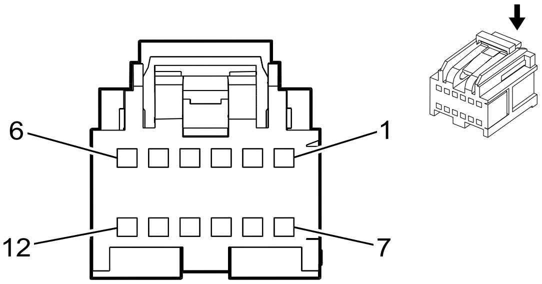
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300660	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K74 Human Machine Interface Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35 0.35	GY/YE BU	5149 655	Voice Recognition Audio Signal Cellular Telephone Microphone Signal	I I	IO4/IO5/IO6 +UE1 IO4/IO5/IO6-UE1
2	0.35 0.35	BK/GY BK/BN	5152 654	Voice Recognition Audio Low Reference Cellular Telephone Microphone Low Reference	I I	IO4/IO5/IO6 +UE1 IO4/IO5/IO6-UE1
3 - 4	—	—	—	Not Occupied	—	—
5	0.35	WH/BU	5986	Serial Data Communication Enable	I	—
6	—	—	—	Not Occupied	—	—
7	0.75	RD/VT	340	Battery Positive Voltage	I	—
8	0.75	BK	2550	Ground	I	—
9	0.5	GN/WH	7527	Local Interconnect Network Serial Data Bus 5	I	—
10	—	—	—	Not Occupied	—	—
11	0.5	BU/GN	1304	High Speed GMLAN Serial Data (+)9	I	—
12	0.5	WH/GN	1305	High Speed GMLAN Serial Data (-)9	I	—
13	0.5	BU/GN	1304	High Speed GMLAN Serial Data (+)9	I	—
14	0.5	WH/GN	1305	High Speed GMLAN Serial Data (-)9	I	—
15 - 16	—	—	—	Not Occupied	—	—

K74 Human Machine Interface Control Module X2



3240099

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 33104389
Service Connector: 13594072
Description: 12-Way F 0.64 OCS Series (GY)

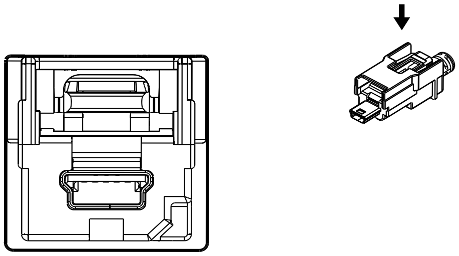
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300660	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K74 Human Machine Interface Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/VT	3999	MOST Control	I	—
2	0.5	WH/GN	3997	MOST Serial Data (-)	I	—
3	0.5	GY/VT	3998	MOST Serial Data (+)	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	GY/YE	6972	Camera Signal 2 +	I	—
6	0.35	WH/BU	6973	Camera Signal 2	I	—
7	—	—	—	Not Occupied	—	—
8	0.5	GY/VT	3998	MOST Serial Data (+)	I	—
9	0.5	WH/GN	3997	MOST Serial Data (-)	I	—
10 - 12	—	—	—	Not Occupied	—	—

K74 Human Machine Interface Control Module X3 (IO5/IO6)



Connector Part Information

Harness Type: Instrument Panel USB
OEM Connector: 13585557
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 5-Way M 2.0 Mini B USB Type (GY)

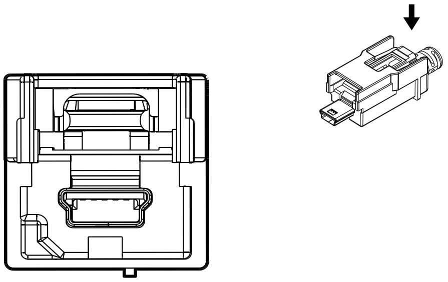
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K74 Human Machine Interface Control Module X3 (IO5/IO6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	USB	—	USB Serial Data	I	—

K74 Human Machine Interface Control Module X4 (IO5/IO6)



2807706

Connector Part Information

Harness Type: Instrument Panel USB
OEM Connector: 13585554
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 5-Way M 2.0 Mini B USB Type (GN)

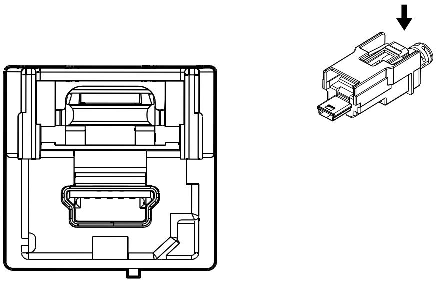
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K74 Human Machine Interface Control Module X4 (IO5/IO6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	USB	—	USB Serial Data	I	—

K74 Human Machine Interface Control Module X5 (IO5/IO6)



2807759

Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13585542
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 5-Way M 2.0 Mini B USB Type (BU)

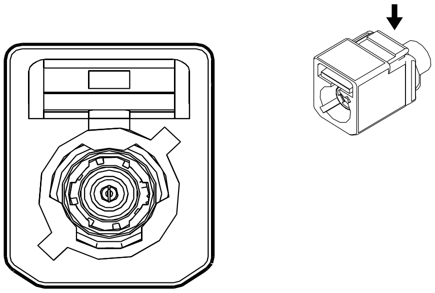
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K74 Human Machine Interface Control Module X5 (IO5/IO6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

K74 Human Machine Interface Control Module X7 (IO6)



3293642

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13591270
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BU)

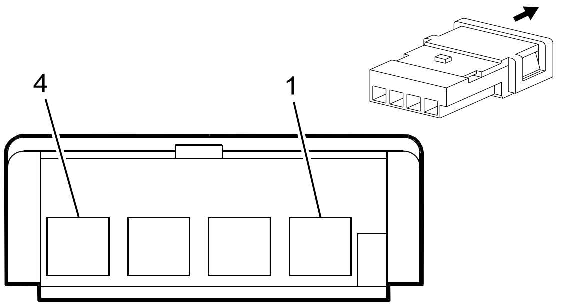
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K74 Human Machine Interface Control Module X7 (IO6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	I	—

K77 Remote Control Door Lock Receiver X1



872587

Connector Part Information

Harness Type: Body
OEM Connector: 15363838
Service Connector: 13576534
Description: 4-Way F 0.64 Micro-Quadlock Series (BK)

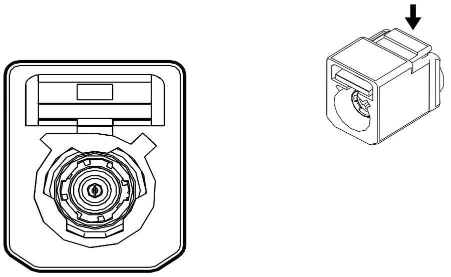
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K77 Remote Control Door Lock Receiver X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	3273	Remote Function Actuator Low Reference	I	—
2	0.35	YE/GN	3274	Remote Function Actuator Transmit Signal	I	—
3	0.35	BU/WH	3275	Remote Function Actuator Receive Signal	I	—
4	0.35	GY/WH	3272	Remote Function Actuator Control	I	—

K77 Remote Control Door Lock Receiver X2



3293633

Connector Part Information

Harness Type: Antena COAX
OEM Connector: 13583904
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

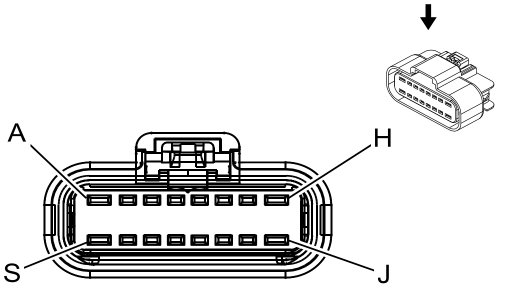
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K77 Remote Control Door Lock Receiver X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(RFR) Coaxial Antenna RFA Signal	I	—

K83 Park Brake Control Module



2216895

Connector Part Information

Harness Type: Chassis
OEM Connector: 15479301
Service Connector: 15306348
Description: 16-Way F 150, 280 GT Series, Sealed (BK)

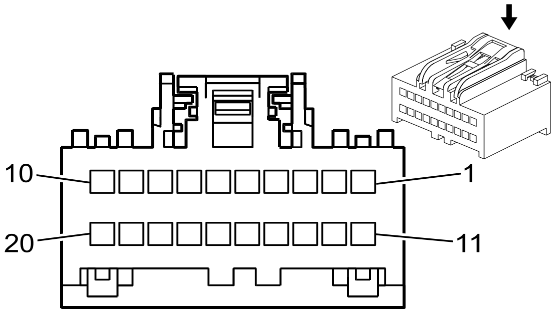
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575354	J-35616-14 (GN)	J-38125-553	12191819	Delphi 8	E	1
II	13575402	J-35616-4A (PU)	J-38125-553	Not Available	Not Available	Not Available	Not Available
III	13576356	J-35616-4A (PU)	J-38125-553	15304719	Delphi 19	E	5

K83 Park Brake Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	4	RD/WH	1642	Battery Positive Voltage	II	—
B	0.5	YE/RD	7683	Park Brake Release Switch Voltage Reference	I	—
C	0.5	BU/WH	1134	Park Brake Switch Signal	I	—
D	0.5	GY/RD	7684	Park Brake Apply Switch Voltage Reference	I	—
E	—	—	—	Not Occupied	—	—
F	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
G	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
H	4	BK	2150	Ground	II	—
J	—	—	—	Not Occupied	—	—
K	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
L	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
M	—	—	—	Not Occupied	—	—
N	0.5	YE	1492	Park Brake Switch Supply Voltage	I	—
P	0.5	WH/BU	5986	Serial Data Communication Enable	I	—
R	0.5	BN	6107	Park Brake Apply Switch Signal	I	—
S	0.5	BU/BK	6108	Park Brake Release Switch Signal	III	—

K84 Keyless Entry Control Module X1



1715226

Connector Part Information

Harness Type: Body
OEM Connector: 15491305
Service Connector: 15126709
Description: 20-Way F USCAR 64 Series (BN)

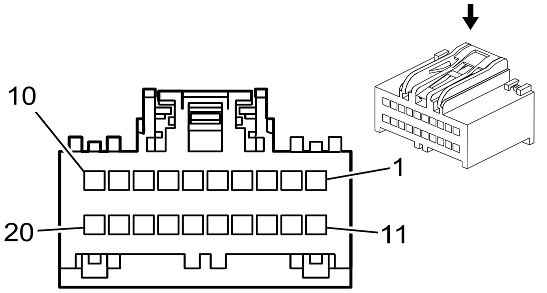
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

K84 Keyless Entry Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/VT	1601	Steering Column Lock Signal	I	—
2	0.5	RD/YE	4340	Battery Positive Voltage	I	—
3	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	VT/YE	4	Accessory Ignition Voltage	I	—
6	—	—	—	Not Occupied	—	—
7	0.35	GY/GN	4083	RAP Relay 2 Coil Control	I	—
8	—	—	—	Not Occupied	—	—
9	0.35	WH/YE	3574	Driver Door Open Switch Signal	I	—
10	0.35	YE/BU	4086	Pushbutton Start Challenge Active Signal	I	—
11	0.35	GN/BK	3558	Passive Start Switch Signal 2	I	—
12	0.35	BK/GY	3559	Passive Start Switch 2 Low Reference	I	—
13	0.35	VT/BK	3	Run/Crank Ignition 1 Voltage	I	—
14	0.5	BK/WH	2751	Signal Ground	I	—
15	0.35	GY/BK	3555	Passive Start Interior Antenna 2 Signal Lo	I	—
16	0.35	BN/BK	3552	Passive Start Interior Antenna 1 Signal Hi	I	—
17	0.35	WH	3553	Passive Start Interior Antenna 1 Signal Lo	I	—
18	0.35	WH/GN	3556	Passive Start Interior Antenna 3 Signal Hi	I	—
19	0.35	GN	3557	Passive Start Interior Antenna 3 Signal Lo	I	—
20	0.35	BU	3554	Passive Start Interior Antenna 2 Signal Hi	I	—

K84 Keyless Entry Control Module X2



1715228

Connector Part Information

Harness Type: Body
OEM Connector: 15491304
Service Connector: 15126710
Description: 20-Way F USCAR 64 Series (GY)

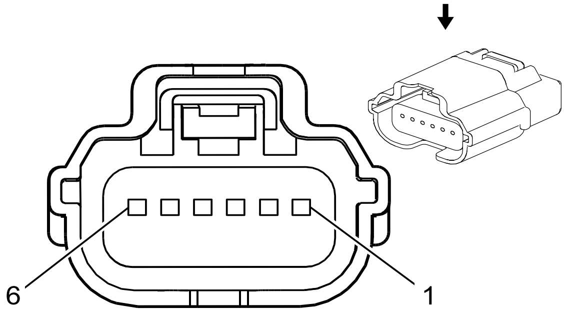
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

K84 Keyless Entry Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE/GY	6158	Right Rear Door Handle Switch Signal	I	—
2	0.35	BN/YE	6157	Left Rear Door Handle Switch Signal	I	—
3 - 5	—	—	—	Not Occupied	—	—
6	0.35	VT	3560	Passive Entry Driver Door Antenna Signal Hi	I	—
7	0.35	VT/GY	3561	Passive Entry Driver Door Antenna Signal Lo	I	—
8	—	—	—	Not Occupied	—	—
9	0.35	GN/BK	3563	Passive Entry Passenger Door Antenna Signal Lo	I	—
10	—	—	—	Not Occupied	—	—
11	0.35	VT/WH	3571	Passenger Door Handle Switch Signal	I	—
12	0.35	GN/WH	3570	Driver Door Handle Switch Signal	I	—
13 - 15	—	—	—	Not Occupied	—	—
16	0.5	BN/GN	3568	Passive Entry Rear Closure Antenna Signal Hi	I	—
17	—	—	—	Not Occupied	—	—
18	0.5	GN/GY	3569	Passive Entry Rear Closure Antenna Signal Lo	I	—
19	—	—	—	Not Occupied	—	—
20	0.35	GN/YE	3562	Passive Entry Passenger Door Antenna Signal Hi	I	—

K85 Passenger Presence Module



1974974

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 31404-6132
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Series, Sealed (BK)

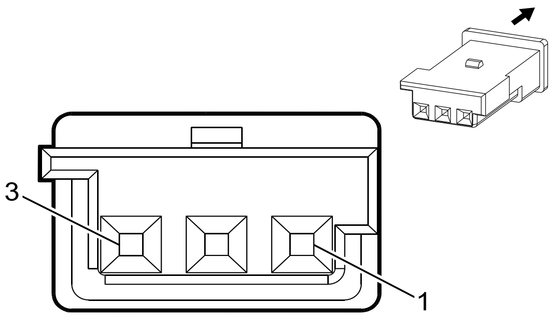
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K85 Passenger Presence Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/GN	4440	Battery Positive Voltage	I	—
2	0.5	GN	5060	Low Speed GMLAN Serial Data	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	BK/WH	2751	Signal Ground	I	—
5	0.35	BU/RD	5612	Passenger Seat Belt Tension Sensor 5V Reference	I	—
6	0.35	VT/OG	5611	Passenger Seat Belt Tension Sensor Signal	I	—

K89 Immobilizer Control Module



2179789

Connector Part Information

Harness Type: Floor Console
OEM Connector: 13604026
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F Micro-Quadlock Series (PU)

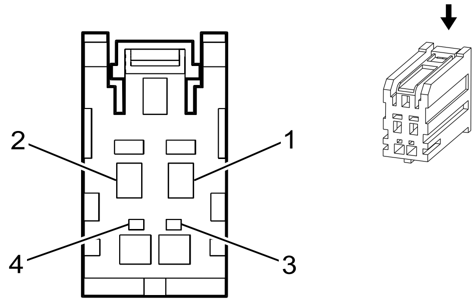
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K89 Immobilizer Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/GY	3277	Vehicle Anti-Theft System Immobilizer Low Reference	I	—
2	0.35	GN/VT	7533	Local Interconnect Network Serial Data Bus 11	I	—
3	0.35	GY/BK	3276	Vehicle Anti-Theft System Immobilizer Control	I	—

K99 Steering Column Position Control Module X1



2966523

Connector Part Information

Harness Type: Steering Column
OEM Connector: 19206654
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 1.5 Series (GY)

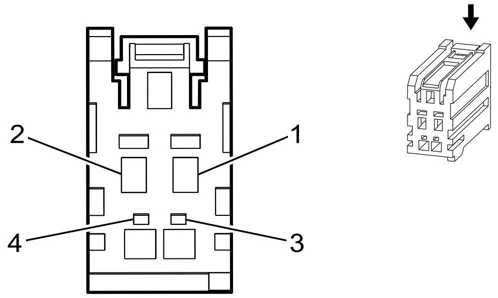
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K99 Steering Column Position Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.0	BN/GY	2112	Steering Column Tilt Motor Down Control	I	—
2	1.0	GY/VT	2111	Steering Column Tilt Motor Up Control	I	—
3	0.35	YE	2154	Steering Column Tilt Motor Signal	I	—
4	0.35	GY/RD	2156	Steering Column Tilt Motor 5V Reference	I	—

K99 Steering Column Position Control Module X2



2966530

Connector Part Information

Harness Type: Steering Column
OEM Connector: 19206655
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 1.5 Series (GN)

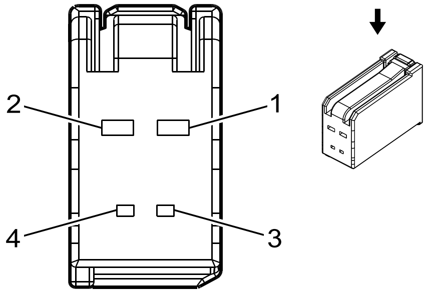
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K99 Steering Column Position Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.0	BU/BK	2098	Steering Column Telescope Motor Forward Control	I	—
2	1.0	YE/BN	2110	Steering Column Telescope Motor Rearward Control	I	—
3	0.35	YE/BK	2152	Steering Column Telescope Motor Low Reference	I	—
4	0.35	VT/GY	2153	Steering Column Telescope Motor Signal	I	—

K99 Steering Column Position Control Module X3



2829881

Connector Part Information

Harness Type: Steering Column
OEM Connector: 19206653
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 1.5 Series (WH)

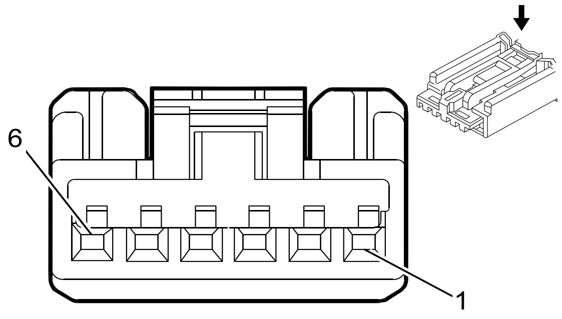
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K99 Steering Column Position Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	RD/VT	4640	Battery Positive Voltage	I	—
2	1.5	BK	1850	Ground	I	—
3	—	—	—	Not Occupied	—	—
4	0.5	GN/WH	7530	Local Interconnect Network Serial Data Bus 8	I	—

K99 Steering Column Position Control Module X4



1862240

Connector Part Information

Harness Type: Steering Column
OEM Connector: 15269798
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

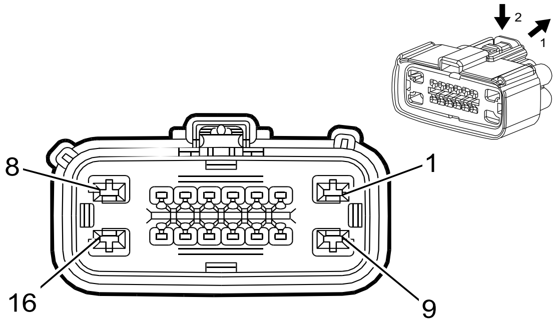
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K99 Steering Column Position Control Module X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	1550	Ground	I	—
2	0.35	BU/YE	2094	Steering Column Tilt and Telescope Forward Switch Signal	I	—
3	0.35	GN/BN	2095	Steering Column Tilt and Telescope Rearward Switch Signal	I	—
4	0.35	BN/GY	2096	Steering Column Tilt and Telescope Up Switch Signal	I	—
5	0.35	YE/BN	2097	Steering Column Tilt and Telescope Down Switch Signal	I	—
6	—	—	—	Not Occupied	—	—

K111 Fuel Pump Driver Control Module



4341043

Connector Part Information

Harness Type: Chassis
OEM Connector: 33233355
Service Connector: 13599870
Description: 16-Way F 1.5, 2.8 Series, Sealed (GY)

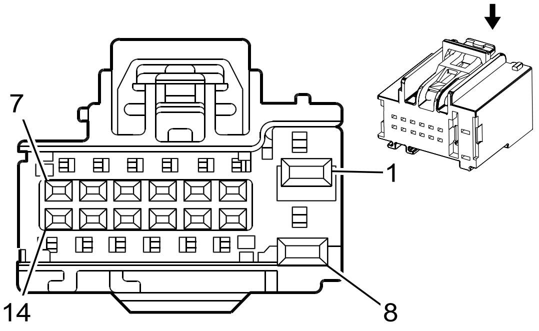
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13505803	J-35616-35 (VT)	J-38125-12A	1326030-8	Lear 17	4	D
II	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

K111 Fuel Pump Driver Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	RD/VT	1940	Battery Positive Voltage	I	—
2	0.5	GY	5660	Fuel Pump Controller Data Out Signal	II	—
3	—	—	—	Not Occupied	—	—
4	0.5	BU/BK	7493	High Speed GMLAN Serial Data (+)3	II	—
5	0.5	WH	7494	High Speed GMLAN Serial Data (-)3	II	—
6	0.5	VT/GN	439	Run/Crank Ignition 1 Voltage	II	—
7	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	—
8	2.5	GY	120	Fuel Pump Control	I	—
9	2.5	BK	2150	Ground	I	—
10 - 14	—	—	—	Not Occupied	—	—
15	0.5	BU	7444	Fuel System Control Module Shield Ground	II	—
16	2.5	BK/GN	1580	Fuel Pump Low Reference	I	—

K124 Active Safety Control Module X1



1664602

Connector Part Information

Harness Type: Body
OEM Connector: 13601512
Service Connector: 89047362
Description: 14-Way F 0.64, 1.5 Series (BK)

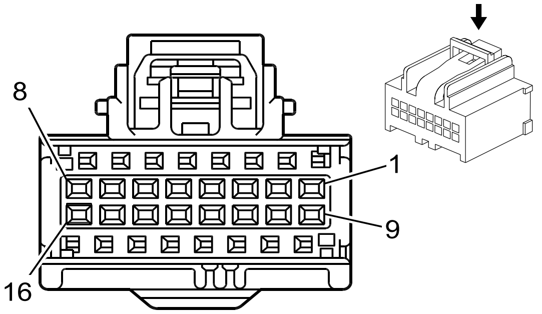
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575735	J-35616-14 (GN)	J-38125-553	12191812	Delphi 19	C	A
II	13575735	J-35616-14 (GN)	J-38125-553	12191812	Delphi 19	E	C
III	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

K124 Active Safety Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/GN	3140	Battery Positive Voltage	I	—
2	0.35	GN/BN	5852	Rear Park Assist LED Disable Signal	III	—
3	0.35	WH	3152	Lane Departure Warning Indicator Control	III	—
4 - 5	—	—	—	Not Occupied	—	—
6	0.5	BU/GY	3935	High Speed GMLAN Serial Data (+) 8	III	—
7	0.5	BU/GY	3935	High Speed GMLAN Serial Data (+) 8	III	—
8	0.5	BK/WH	2751	Signal Ground	II	—
9	0.35	GY/VT	3808	Front Object Sensor Control 2	III	—
10	0.35	BN/VT	3809	Front Object Sensor Control 1	III	—
11	0.35	GY/GN	2555	Rear Park Assist Disable Signal	III	—
12	0.35	WH/BU	5986	Serial Data Communication Enable	III	—
13	0.5	WH/GY	3936	High Speed GMLAN Serial Data (-) 8	III	—
14	0.5	WH/GY	3936	High Speed GMLAN Serial Data (-) 8	III	—

K124 Active Safety Control Module X2



1653409

Connector Part Information

Harness Type: Body
OEM Connector: 15491285
Service Connector: 15136073
Description: 16-Way F 0.64 Kaizen Series (BK)

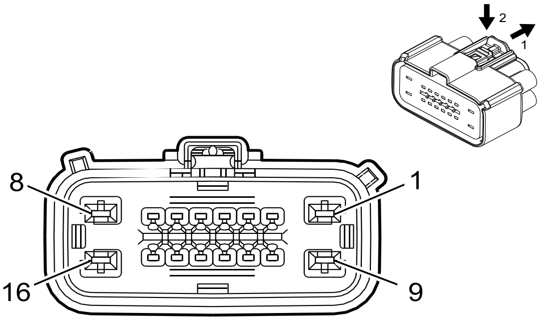
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

K124 Active Safety Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
2	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
3	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
4	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
5	—	—	—	Not Occupied	—	—
6	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	I	—
7	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—
8	—	—	—	Not Occupied	—	—
9	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
10	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
11	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
12	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
13	—	—	—	Not Occupied	—	—
14	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	I	—
15	—	—	—	Not Occupied	—	—
16	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	I	—

K133 Trailer Brake Power Control Module



4624589

Connector Part Information

Harness Type: Chassis
OEM Connector: 33233354
Service Connector: 13599868
Description: 16-Way F 1.5, 2.8 Series, Sealed (GY)

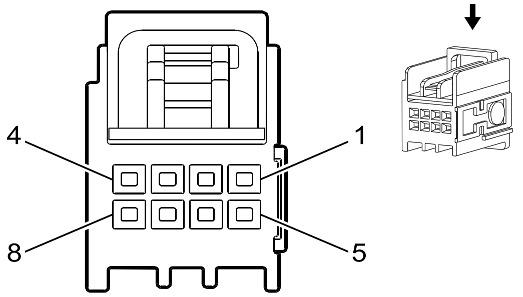
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13505803	J-35616-35 (VT)	J-38125-12A	1326030-8	Lear 17	4	D
II	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

K133 Trailer Brake Power Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	RD/GN	242	Battery Positive Voltage	I	—
2	0.5	WH/BK	2223	Trailer Brake Control Signal	II	—
3 - 4	—	—	—	Not Occupied	—	—
5	0.5	YE/BK	2224	Trailer Brake Enable Signal	II	—
6 - 7	—	—	—	Not Occupied	—	—
8	2.5	BU	47	Trailer Auxiliary Control	I	—
9	2.5	BK	1750	Ground	I	—
10 - 11	—	—	—	Not Occupied	—	—
12	0.5	GN/VT	4114	Local Interconnect Network Serial Data Bus 14	II	—
13 - 16	—	—	—	Not Occupied	—	—

K134D Seat Bolster Memory Control Module - Driver



2180202

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 13235933
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 0.64 Series (BK with BK Cover)

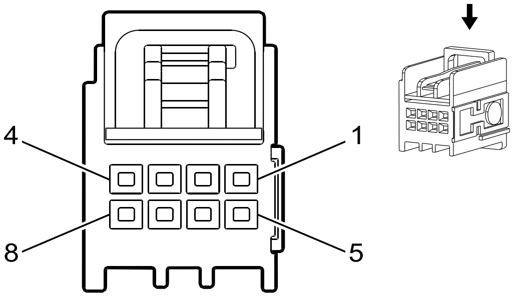
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K134D Seat Bolster Memory Control Module - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/BN	2240	Battery Positive Voltage	I	—
2	0.35	GN/GY	3758	Local Interconnect Network Serial Data Bus 13	I	—
3	—	—	—	Not Occupied	—	—
4	0.5	BK	1150	Ground	I	—
5 - 6	—	—	—	Not Occupied	—	—
7	0.5	VT	901	—	I	—
8	0.5	GN	903	—	I	—

K134P Seat Bolster Memory Control Module - Passenger



2180202

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 13235933
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 0.64 Series (BK with BK Cover)

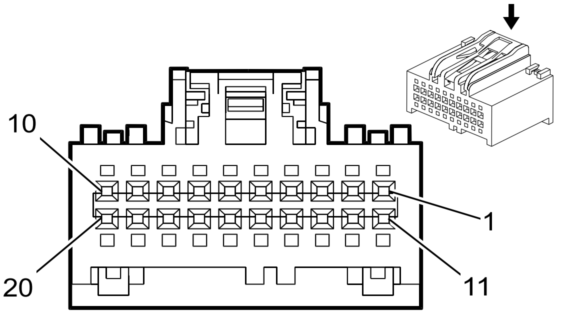
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K134P Seat Bolster Memory Control Module - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/WH	2240	Battery Positive Voltage	I	—
2	0.35	GN/GY	3758	Local Interconnect Network Serial Data Bus 13	I	—
3	—	—	—	Not Occupied	—	—
4	0.5	BK	1250	Ground	I	—
5 - 6	—	—	—	Not Occupied	—	—
7	0.5	VT	901	—	I	—
8	0.5	GN	903	—	I	—

K157 Video Processing Control Module X1



1715223

Connector Part Information

Harness Type: Body
OEM Connector: 15489824
Service Connector: 15126711
Description: 20-Way F 0.64 Series (BK)

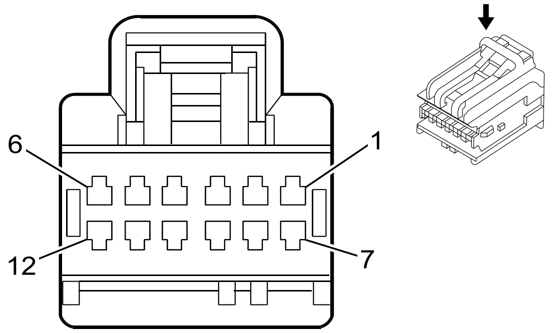
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

K157 Video Processing Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU	3373	Auxiliary Video High Signal 2	I	—
2	0.35	BK/WH	2551	Signal Ground	I	—
3	0.35	BK/WH	2551	Signal Ground	I	—
4	0.35	BU	7641	Camera Rear Vision Signal +	I	—
5	0.35	WH/GN	2628	Left Side Vision Camera Video Signal (+)	I	—
6	0.35	BK/WH	2551	Signal Ground	I	—
7	0.35	BK/WH	2551	Signal Ground	I	—
8	0.35	WH/BU	2627	Right Side Vision Camera Video Signal (+)	I	—
9 - 10	—	—	—	Not Occupied	—	—
11	0.35	GY	3372	Auxiliary Video Low Signal 2	I	—
12	0.35	WH/BN	6201	Camera Control	I	—
13	0.35	WH/BN	6201	Camera Control	I	—
14	0.35	WH	7642	Camera Rear Vision Signal (-)	I	—
15	0.35	GY/GN	2625	Left Side Vision Camera Video Signal (-)	I	—
16	0.5	WH/BN	6201	Camera Control	I	—
17	0.5	WH/BN	6201	Camera Control	I	—
18	0.35	GY/BU	2626	Right Side Vision Camera Video Signal (-)	I	—
19 - 20	—	—	—	Not Occupied	—	—

K157 Video Processing Control Module X2



1664569

Connector Part Information

Harness Type: Body
OEM Connector: 13551678
Service Connector: 89047364
Description: 12-Way F 0.64 Series (BK)

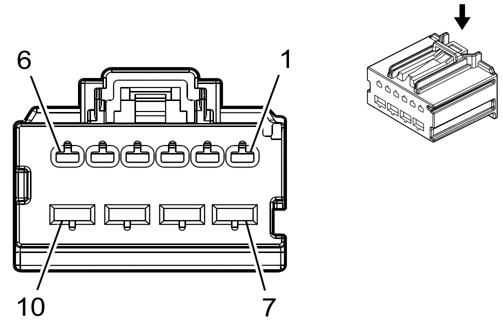
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

K157 Video Processing Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/VT	1640	Battery Positive Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	GY/GN	1102	Low Speed GMLAN Serial Data #2	I	—
4 - 5	—	—	—	Not Occupied	—	—
6	0.35	GY/YE	6972	Camera Signal 2 +	I	—
7	0.75	BK	2550	Ground	I	—
8 - 10	—	—	—	Not Occupied	—	—
11	0.35	Bare	6974	Camera Low Reference	I	—
12	0.35	WH/BU	6973	Camera Signal 2	I	—

K169 Folding Seat Control Module - 3rd Row X1 (AS8)



3958597

Connector Part Information

Harness Type: 3rd Row Seat
OEM Connector: 13582822
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 1.5, 2.8 Series (GY)

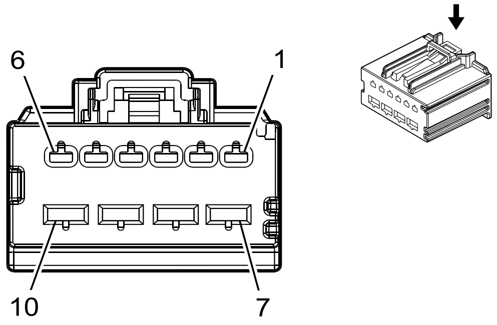
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K169 Folding Seat Control Module - 3rd Row X1 (AS8)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GN	4226	RH Third Row Seat Recline Rearward Lock Actuator Control	I	—
2	1.5	RD/GY	4225	RH Third Row Seat Recline Forward Lock Actuator Control	I	—
3	0.35	YE/BU	4214	LH Third Row Seat Recline Position Sensor Signal	I	—
4	0.35	BN/WH	4216	Seat Sensor Voltage Reference #1	I	—
5	0.35	WH/RD	4213	RH Third Row Seat Recline Position Sensor Signal	I	—
6	—	—	—	Not Occupied	—	—
7	1.5	OG	4218	RH Third Row Seat Recline Rearward Control	I	—
8	1.5	BU	4217	RH Third Row Seat Recline Motor Forward Control	I	—
9	0.35	WH/BK	4215	Seat Sensor Voltage Reference #2	I	—
10	2.5	BK	1150	Ground	I	—

K169 Folding Seat Control Module - 3rd Row X2 (AS8)



3791446

Connector Part Information

Harness Type: 3rd Row Seat
OEM Connector: 13582823
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 1.5, 2.8 Series (BK)

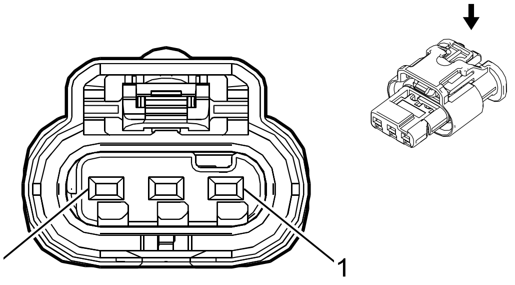
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K169 Folding Seat Control Module - 3rd Row X2 (AS8)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	4220	RH Third Row Seat Recline Rearward Signal	I	—
2	0.5	YE/BK	4219	RH Third Row Seat Recline Forward Signal	I	—
3	0.5	GN	4224	LH Third Row Seat Recline Rearward Signal	I	—
4	0.5	GN/BK	4223	LH Third Row Seat Recline Forward Signal	I	—
5	1.5	YE/WH	4228	LH Third Row Seat Recline Rearward Lock Actuator Control	I	—
6	1.5	GY	4227	LH Third Row Seat Recline Forward Lock Actuator Control	I	—
7	2.5	RD/BU	1240	Battery Positive Voltage	I	—
8	—	—	—	Not Occupied	—	—
9	1.5	RD	4221	LH Third Row Seat Recline Motor Forward Control	I	—
10	1.5	TN/	4222	LH Third Row Seat Recline Motor Rearward Control	I	—

K171 Hands-Free Liftgate Sensor Control Module X1



2889711

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13868589
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.2 MCP Series, Sealed (BN)

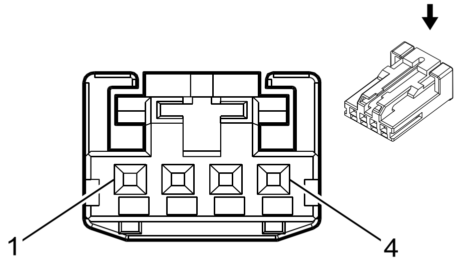
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K171 Hands-Free Liftgate Sensor Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/BN	4118	Local Interconnect Network Serial Data Bus 18	I	—
2	0.5	RD/GN	3140	Battery Positive Voltage	I	—
3	0.5	BK	1450	Ground	I	—

K175 Center Console Compartment Cooler Control Module



2717162

Connector Part Information

Harness Type: Floor Console
OEM Connector: 13969166
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Micro-Quadlock Series (BK)

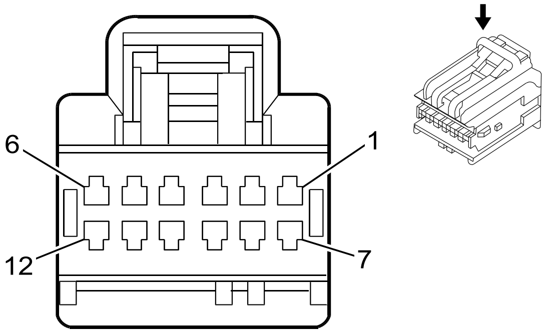
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K175 Center Console Compartment Cooler Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	1050	Ground	I	—
2	0.35	BN	6532	Power Rear Compartment Lid On/Off Control	I	—
3	0.35	GY/BK	2546	Rear Steering Axle Control Motor Control Phase B	I	—
4	0.5	VT/BK	739	Run/Crank Ignition 1 Voltage	I	—

K182 Parking Assist Control Module X1 (UD5/UD7/UKG)



1664569

Connector Part Information

Harness Type: Body
OEM Connector: 13551678
Service Connector: 89047364
Description: 12-Way F 0.64 Series (BK)

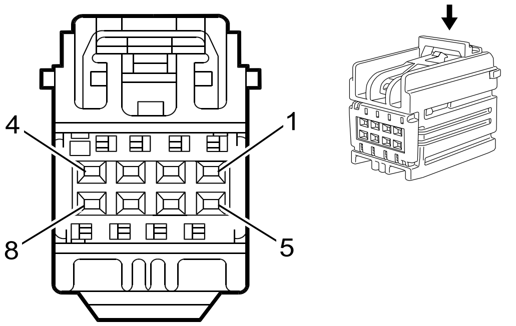
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

K182 Parking Assist Control Module X1 (UD5/UD7/UKG)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/GN	3140	Battery Positive Voltage	I	—
2	0.35	WH/BU	5986	Serial Data Communication Enable	I	—
3	0.35	GN/BN	5852	Rear Park Assist LED Disable Signal	I	—
4	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—
5	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
6	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
7	0.75	BK/WH	2751	Signal Ground	I	—
8	0.35	GY/GN	2555	Rear Park Assist Disable Signal	I	—
9	—	—	—	Not Occupied	—	—
10	0.35	BU/BN	3161	Parallel Park Assist Disable Switch Signal	I	—
11	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
12	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—

K182 Parking Assist Control Module X2 (UD5/UD7/UKG)



1664573

Connector Part Information

Harness Type: Body
OEM Connector: 13551679
Service Connector: 19115653
Description: 8-Way F YESC Kaizen Series (L-GY)

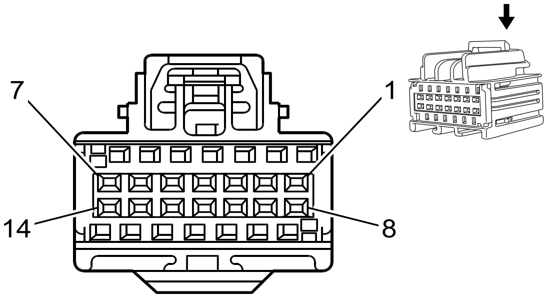
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K182 Parking Assist Control Module X2 (UD5/UD7/UKG)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	2375	Left Rear Corner Object Sensor Signal	I	—
2	0.5	BU	3157	Right Rear Supplemental Object Sensor Signal	I	—
3	0.5	YE/BU	2376	Left Rear Middle Object Sensor Signal	I	—
4	0.5	BN/WH	2374	Object Sensor Control	I	—
5	0.5	YE/VT	2378	Right Rear Corner Object Sensor Signal	I	—
6	0.5	GN	3156	Left Rear Supplemental Object Sensor Signal	I	—
7	0.5	YE/WH	2377	Right Rear Middle Object Sensor Signal	I	—
8	0.5	BK/GY	2379	Object Sensor Low Reference	I	—

K182 Parking Assist Control Module X3 (UD5/UD7/UKG)



1664575

Connector Part Information

Harness Type: Body
OEM Connector: 15491263
Service Connector: 15127038
Description: 14-Way F 0.64 Kaizen Series (BU)

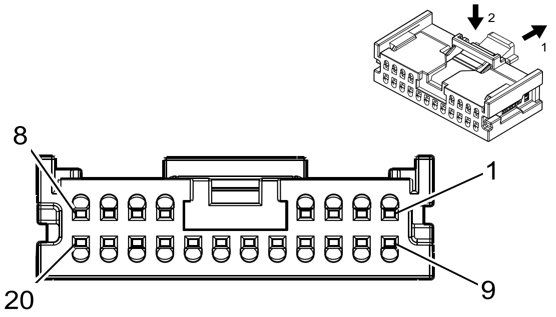
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

K182 Parking Assist Control Module X3 (UD5/UD7/UKG)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/VT	5213	Front Parking Left/Right/Mid Sensor	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	GY	3154	Left Front Supplemental Object Sensor Signal	I	—
4	0.5	VT/WH	5215	Front Parking Left Corner Sensor	I	—
5	0.5	YE/GY	5216	Front Parking Left Mid Sensor	I	—
6 - 7	—	—	—	Not Occupied	—	—
8	0.5	BK/BU	5214	Front Parking Sensor Low Reference	I	—
9	—	—	—	Not Occupied	—	—
10	0.5	GN	3155	Right Front Supplemental Object Sensor Signal	I	—
11	0.5	WH/GY	5217	Front Parking Right Corner Sensor	I	—
12	0.5	VT/GY	5218	Front Parking Right Mid Sensor	I	—
13 - 14	—	—	—	Not Occupied	—	—

K188 Human Machine Interface Control Module Bypass Module X1



4231339

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 33167777
Service Connector: 13596105
Description: 20-Way F Mini 50 Series (BK)

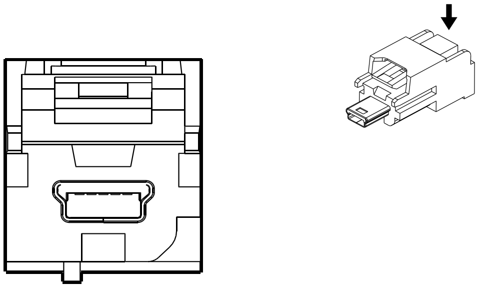
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19333221	EL-35616-58 (BK)	J-38125-553	Not Available	Not Available	Not Available	Not Available

K188 Human Machine Interface Control Module Bypass Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/GY	2840	Battery Positive Voltage	I	—
2	0.35	GY/VT	755	RAP Relay Coil Control	I	—
3	0.35	GN/WH	7527	Local Interconnect Network Serial Data Bus 5	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	BK	2550	Ground	I	—
6	0.35	GY/YE	6972	Camera Signal 2 +	I	—
7	—	—	—	Not Occupied	—	—
8	0.35	GY/YE	6972	Camera Signal 2 +	I	—
9	0.35	GN/WH	24	Backup Lamp Control	I	—
10 - 17	—	—	—	Not Occupied	—	—
18	0.35	WH/BU	6973	Camera Signal 2	I	—
19	0.35	BU/YE	6974	Camera Low Reference	I	—
20	0.35	WH/BU	6973	Camera Signal 2	I	—

K188 Human Machine Interface Control Module Bypass Module X2



3028814

Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13584752
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (BN)

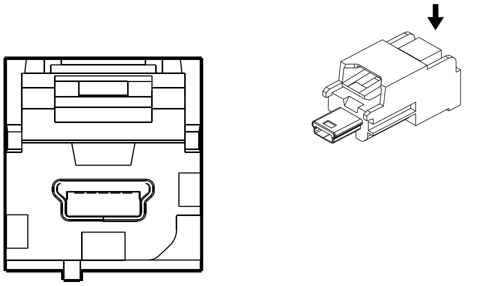
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K188 Human Machine Interface Control Module Bypass Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

K188 Human Machine Interface Control Module Bypass Module X3 (U42)



3028807

Connector Part Information

Harness Type: Instrument panel LVDS
OEM Connector: 13584755
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (GY)

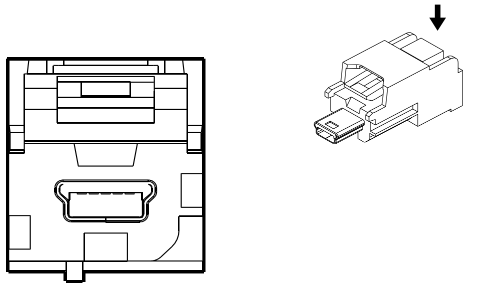
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K188 Human Machine Interface Control Module Bypass Module X3 (U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

K188 Human Machine Interface Control Module Bypass Module X3 (-U42)



3028807

Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13584755
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (GY)

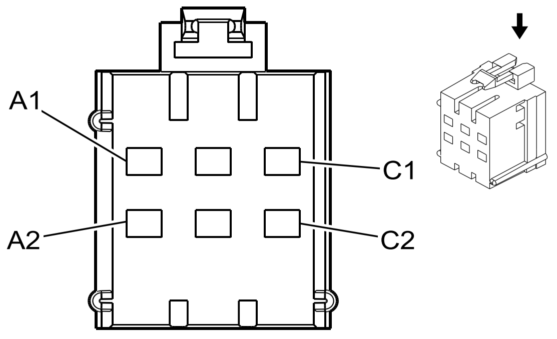
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K188 Human Machine Interface Control Module Bypass Module X3 (-U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

KR58 Roof Beacon Relay (TRW)



Connector Part Information

Harness Type: Headliner
OEM Connector: 12110541
Service Connector:
Description: 6-Way F 280 Metri-Pack Flexlock Series (BK)

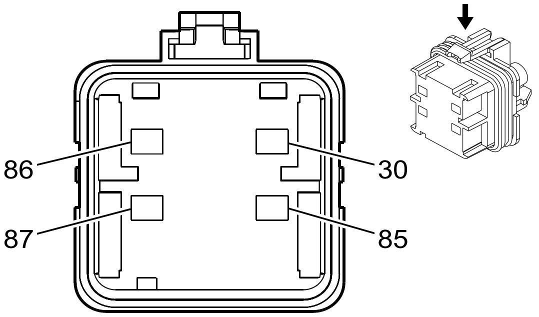
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

KR58 Roof Beacon Relay (TRW)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A1	0.35	BK	1050	Ground	I	—
A2	2.5	GN/BU	5989	Emergency Lamp Relay Contact Control	I	—
B1 - B2	—	—	—	Not Occupied	—	—
C1	2.5	RD/GN	3140	Battery Positive Voltage	I	—
C2	0.5	WH/BK	5990	Emergency Lamp Switch Signal	I	—

KR79 Auxiliary Battery Relay 2 (5W4/9C1)



535912

Connector Part Information

Harness Type: Battery Auxiliary
OEM Connector: 12129716
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 280 Metri-Pack Flexlock Series, Sealed (GY)

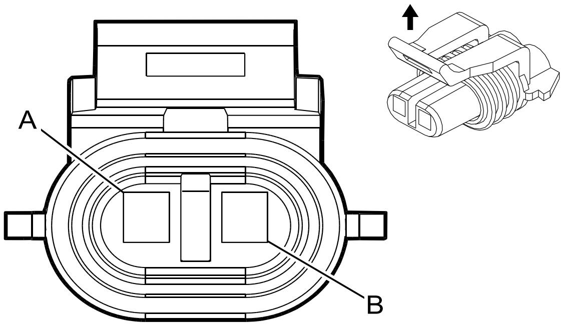
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

KR79 Auxiliary Battery Relay 2 (5W4/9C1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
30	0.5	RD/BU	4540	Battery Positive Voltage	I	—
85	0.5	BK	550	Ground	I	—
86	0.5	VT/BN	300	Run Ignition 3 Voltage	I	—
87	0.5	RD/BU	4540	Battery Positive Voltage	I	—

KR81 Auxiliary Battery Relay 1 X1 (5W4/9C1)



635009

Connector Part Information

Harness Type: Battery Auxiliary
OEM Connector: 12052641
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 Metri-Pack Series (BK)

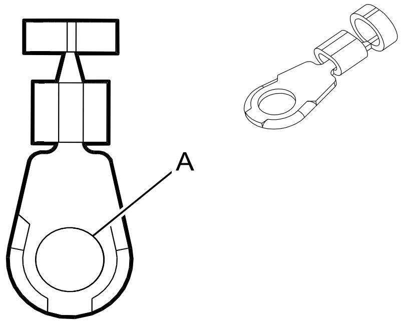
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

KR81 Auxiliary Battery Relay 1 X1 (5W4/9C1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	RD/BU	4540	Battery Positive Voltage	I	—
B	0.5	BK	550	Ground	I	—

KR81 Auxiliary Battery Relay 1 X2 (5W4/9C1)



3385519

Connector Part Information

Harness Type: Battery Auxiliary
OEM Connector: 12146365
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

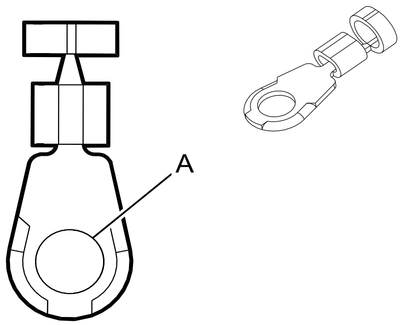
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

KR81 Auxiliary Battery Relay 1 X2 (5W4/9C1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/VT	842	Battery Positive Voltage	I	—

KR81 Auxiliary Battery Relay 1 X3 (5W4/9C1)



3385519

Connector Part Information

Harness Type: Battery Auxiliary
OEM Connector: 12146365
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

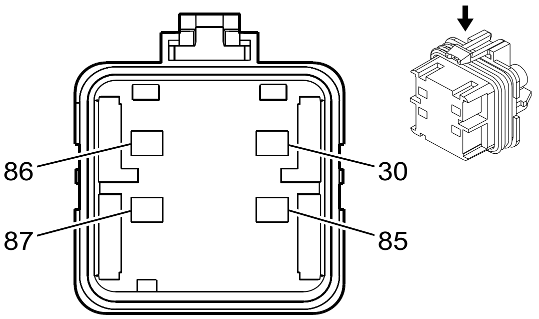
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

KR81 Auxiliary Battery Relay 1 X3 (5W4/9C1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	16	RD/GN	742	Battery Positive Voltage	I	—

KR98 Vehicle Level Control Compressor Relay



535912

Connector Part Information

Harness Type: Chassis
OEM Connector: 12129716
Service Connector: 15306045
Description: 4-Way F 280 Metri-Pack Flexlock Series, Sealed (GY)

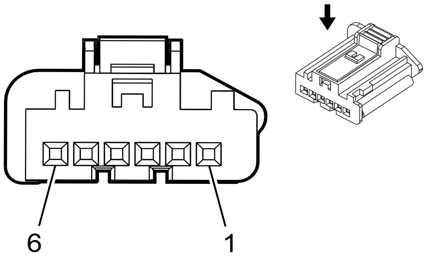
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

KR98 Vehicle Level Control Compressor Relay

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
30	2.5	RD/BU	1842	Battery Positive Voltage	I	—
85	0.5 0.5	BN/YE BK	1112 1750	Damping Relay Coil Control Ground	I I	Z85 Z95
86	0.5 0.5	VT/BK VT/BU	739 5956	Run/Crank Ignition 1 Voltage Leveling Compressor Relay Coil Control	I I	Z85 Z95
87	2.5	WH/VT	2248	Real Time Damping Leveling Motor Control	I	—

M4 Air Inlet Door Actuator



2754489

Connector Part Information

Harness Type: HVAC
OEM Connector: 12759936
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Micro-Quadlock Series (BK)

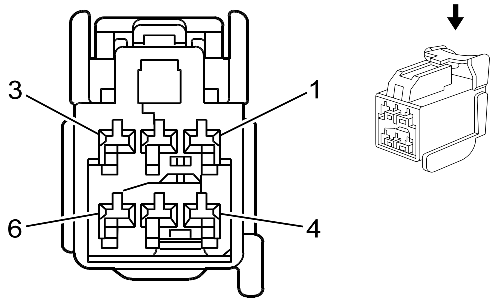
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M4 Air Inlet Door Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	—
2	0.35	VT/GN	1838	Recirculation Door Position Signal	I	—
3	0.35	GY/RD	598	5V Reference	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	GN	1614	Recirculation Door Control	I	—
6	0.35	YE/BK	2274	Recirculation Door Control	I	—

M5 Adjustable Pedal Motor



1283897

Connector Part Information

Harness Type: Brake Clutch Jumper
OEM Connector: 10846805
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 1.5 Kaizen Series (L-GY)

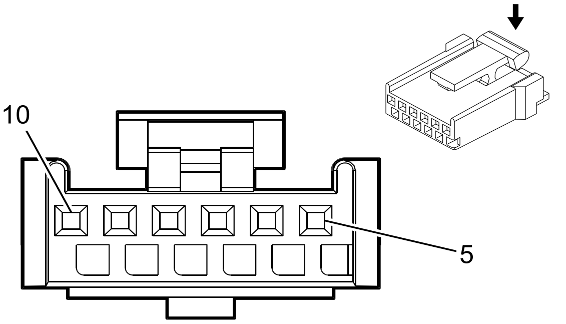
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M5 Adjustable Pedal Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GN/VT	5130	Adjustable Pedal Actuator Forward Control	I	—
2	0.5	BU	5952	Adjustable Pedal Position Sensor Brake Signal	I	—
3	0.5	BK/GY	6206	Memory Sensor Low Reference	I	—
4	1.5	YE	5129	Adjustable Pedal Actuator Rearward Control	I	—
5	0.5	WH/RD	6207	Memory Sensor High Reference	I	—
6	—	—	—	Not Occupied	—	—

M6B Air Temperature Door Actuator - Auxiliary



280764

Connector Part Information

Harness Type: Auxiliary HVAC
OEM Connector: 2035363-3
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way

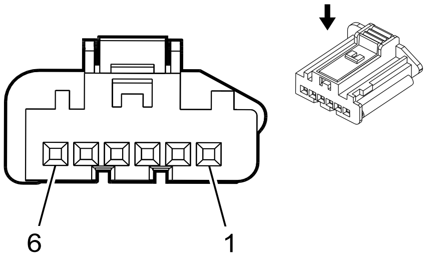
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M6B Air Temperature Door Actuator - Auxiliary

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/	2775	Rear Air Temperature Motor Control	I	—
2	0.35	GY	2614	Rear Air Temperature Door Control	I	—
4	0.35	BK/YE	407	Sensor Low Reference	I	—
5	0.35	GY/BU	2145	Passenger Air Temperature Switch Signal	I	—
6	0.35	GY/RD	598	5V Reference	I	—
7 - 10	—	—	—	Not Occupied	—	—

M6L Air Temperature Door Actuator - Left



2754489

Connector Part Information

Harness Type: HVAC Jumper
OEM Connector: 12759936
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Micro-Quadlock Series (BK)

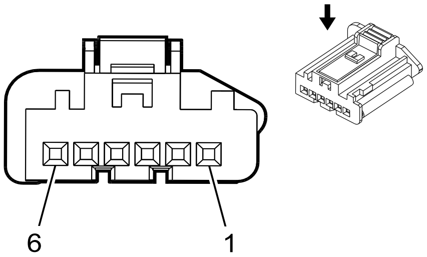
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M6L Air Temperature Door Actuator - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	—
2	0.35	BU/YE	733	Air Temperature Door Position Signal	I	—
3	0.35	GY/RD	598	5V Reference	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	BU/BN	1199	Air Temperature Door Control	I	—
6	0.35	GY/GN	2210	Air Temperature Door Control	I	—

M6R Air Temperature Door Actuator - Right



2754489

Connector Part Information

Harness Type: HVAC Jumper
OEM Connector: 12759936
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Micro-Quadlock Series (BK)

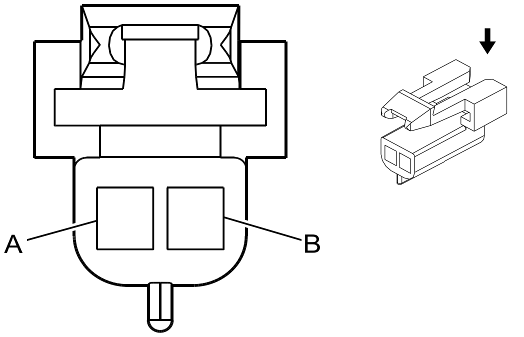
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M6R Air Temperature Door Actuator - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	—
2	0.35	BN/BU	1646	Passenger Air Temperature Door Position Signal	I	—
3	0.35	GY/RD	598	5V Reference	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	WH/BK	1236	Passenger Air Temperature Door Control	I	—
6	0.35	GY/BK	2778	Passenger Air Temperature Motor Control	I	—

M7 Transmission Shift Lock Control Solenoid Actuator



280768

Connector Part Information

Harness Type: Steering Column
OEM Connector: 12052832
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 Metri-Pack Series (BK)

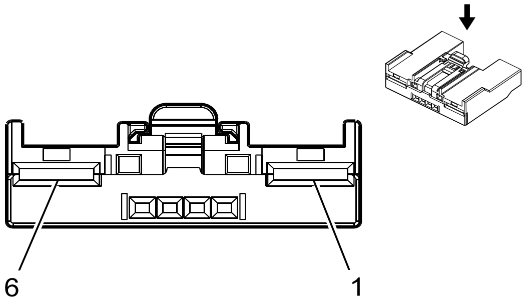
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M7 Transmission Shift Lock Control Solenoid Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/WH	816	Brake Transmission Shift Interlock Solenoid Control	I	—
B	0.35	BK/WH	1851	Signal Ground	I	—

M8 Blower Motor



2904463

Connector Part Information

Harness Type: HVAC Jumper
OEM Connector: 13582015
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 GET, 6.3 Series (BK)

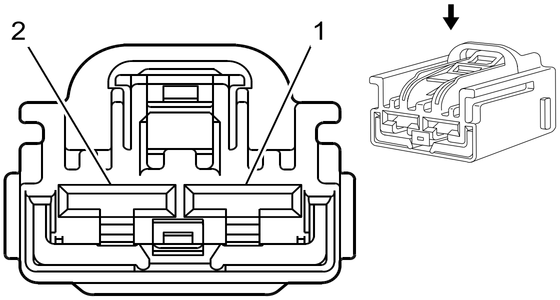
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M8 Blower Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	4	RD/VT	542	Battery Positive Voltage	I	—
2	0.5	BU/GY	754	Blower Motor Speed Control	I	—
3 - 5	—	—	—	Not Occupied	—	—
6	4	BK/	1050	Ground	I	—

M8B Blower Motor - Auxiliary (SWB)



1817814

Connector Part Information

Harness Type: Auxiliary HVAC+SWB
OEM Connector: 15226103
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 6.3 Series (L-GY)

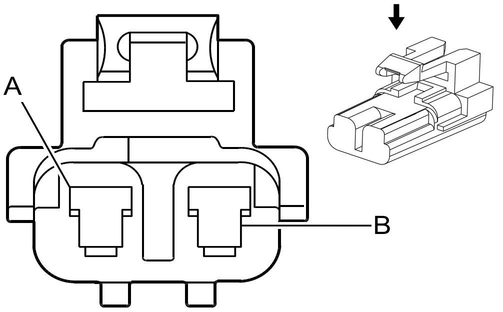
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M8B Blower Motor - Auxiliary (SWB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BU/BK	5988	Rear Blower Motor Low Reference	I	—
2	2.5	GY/BN	101	Blower Motor Control	I	—

M8B Blower Motor - Auxiliary (-SWB)



62488

Connector Part Information

Harness Type: Auxiliary HVAC-SWB
OEM Connector: 12084957
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 280 Metri-Pack Series (BK)

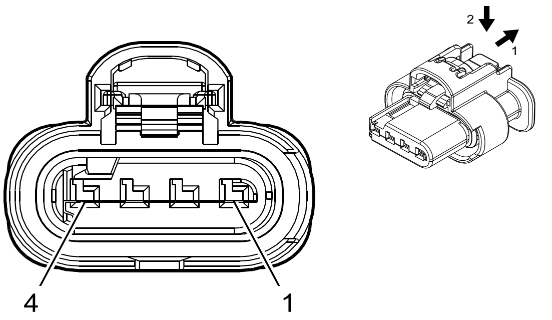
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M8B Blower Motor - Auxiliary (-SWB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2.5	BU/BK	5988	Rear Blower Motor Low Reference	I	—
B	2.5	GY/BN	101	Blower Motor Control	I	—

M26 Front Axle Engagement Actuator



4210809

Connector Part Information

Harness Type: Transfer Case
OEM Connector: 33150389
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 1.2 MCON-CB Series, Sealed (BK)

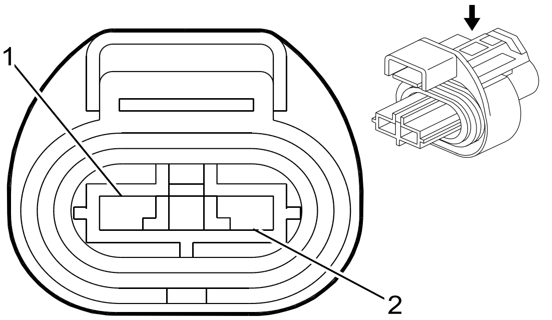
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M26 Front Axle Engagement Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	I	—
2	0.5	GY/BK	1570	Front Axle Actuator Control	I	—
3	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator Control	I	—
4	0.5	BK	550	Ground	I	—

M27 Fuel Fill Door Unlatch Actuator



1898384

Connector Part Information

Harness Type: Chassis
OEM Connector: 13548106
Service Connector: 13314083
Description: 2-Way F 1.2 Timer Series, Sealed (BK)

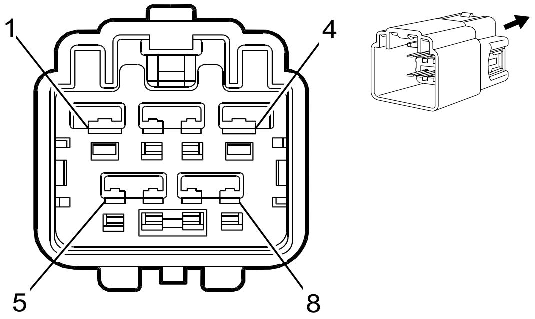
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M27 Fuel Fill Door Unlatch Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	—
2	0.75	GY	5911	Door Lock Actuator Lock Control 2	I	—

M31 Liftgate Motor



1851884

Connector Part Information

Harness Type: Liftgate
OEM Connector: 10847005
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way M 1.5, 2.8 Kaizen Series (L-GY)

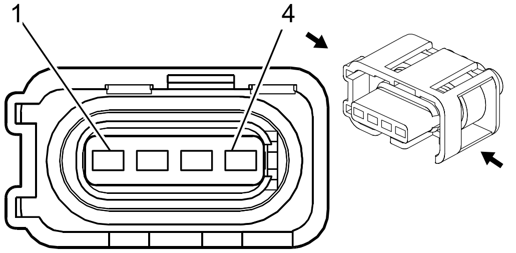
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M31 Liftgate Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2	WH	5798	Lift Gate Open/Close Motor Open Control	II	—
2	0.35	BN/RD	5803	Lift Gate Position Sensor 5V Reference	I	—
3	0.35	BK/GN	5804	Lift Gate Position Sensor Low Reference	I	—
4	2	BN/WH	5799	Lift Gate Open/Close Motor Close Control	II	—
5 - 6	—	—	—	Not Occupied	—	—
7	0.35	BU/WH	5805	Lift Gate Position Sensor Signal 1	I	—
8	0.35	BN/YE	5806	Lift Gate Position Sensor Signal 2	I	—

M33 Liftgate Window Latch Assembly



1711027

Connector Part Information

Harness Type: Liftgate
OEM Connector: 15489983
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F Micro-Pack Timer III Series, Sealed (NA)

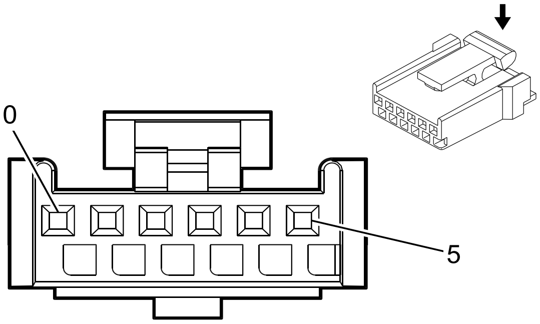
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M33 Liftgate Window Latch Assembly

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU/YE	6795	Lift Glass/Rear Compartment Lid Motor Release Control 2	I	—
2	0.5	BK	1450	Ground	I	—
3	0.5	BK	1450	Ground	I	—
4	0.35	VT/GY	1303	Lift Gate Ajar Switch Signal 1	I	—

M37B Mode Door Actuator - Auxiliary



280764

Connector Part Information

Harness Type: Auxiliary HVAC
OEM Connector: 2035363-3
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 6-Way F (BK)

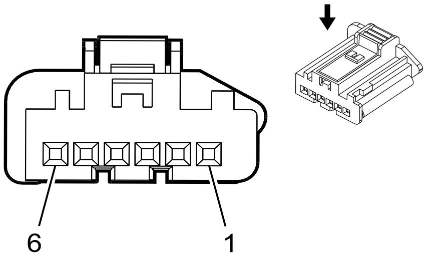
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M37B Mode Door Actuator - Auxiliary

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/OG	5729	Rear Mode Motor Control	I	—
2	0.35	BK/GN	5730	Rear Mode Motor Low Reference	I	—
4	0.35	BK/YE	407	Sensor Low Reference	I	—
5	0.35	GY	2599	Rear Mode Motor Signal	I	—
6	0.35	GY/RD	598	5V Reference	I	—
7 - 10	—	—	—	Not Occupied	—	—

M37L Mode Door Actuator - Left



2754489

Connector Part Information

Harness Type: HVAC
OEM Connector: 12759936
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Micro-Quadlock Series (BK)

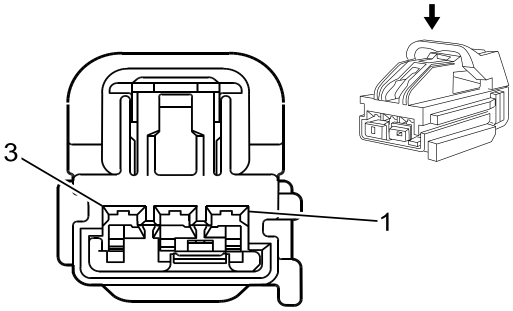
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M37L Mode Door Actuator - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	—
2	0.35	WH/GN	2275	Mode 1 Valve Position Sensor Signal	I	—
3	0.35	GY/RD	598	5V Reference	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	WH	119	Mode Door Control	I	—
6	0.35	YE/BN	2273	Mode Door Control	I	—

M45 Rear Wiper Motor



1787799

Connector Part Information

Harness Type: Liftgate
OEM Connector: 10847008
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.5 Kaizen Series (L-GY)

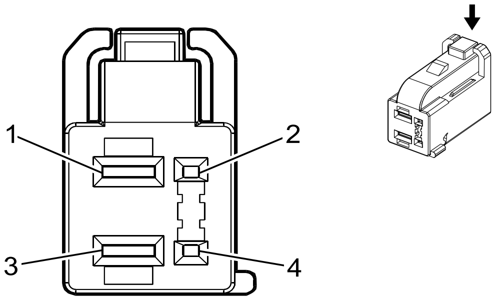
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M45 Rear Wiper Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	1450	Ground	I	—
2	0.5	GN/GY	6135	Local Interconnect Network Serial Data Bus 4	I	—
3	0.75	RD/YE	3040	Battery Positive Voltage	I	—

M50D Seat Front Vertical Motor - Driver



3683652

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

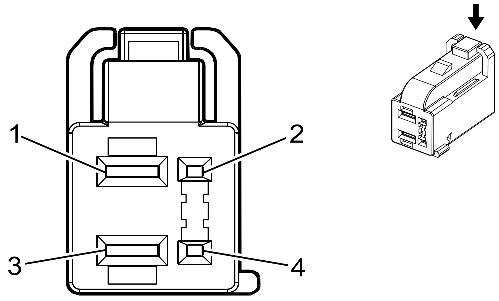
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M50D Seat Front Vertical Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GN/BN	286	Driver Power Seat Front Vertical Motor Up Control	I	—
2	0.35	WH/RD	3298	Memory Sensor High Reference 2	II	—
3	1.5	BU/VT	287	Driver Power Seat Front Vertical Motor Down Control	I	—
4	0.5	BN/WH	557	Memory Seat Front Vertical Motor Position Sensor Signal	II	—

M50P Seat Front Vertical Motor - Passenger



3683652

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

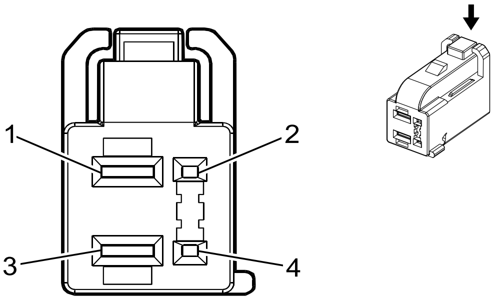
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M50P Seat Front Vertical Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5 1.5	GN/BU GN/VT	298 297	Passenger Power Seat Front Vertical Motor Down Control Passenger Power Seat Front Vertical Motor Up Control	I I	AG2 AG2+ULT
2	—	—	—	Not Occupied	—	—
3	1.5 1.5	GN/VT GN/BU	297 298	Passenger Power Seat Front Vertical Motor Up Control Passenger Power Seat Front Vertical Motor Down Control	I I	AG2 AG2+ULT
4	—	—	—	Not Occupied	—	—

M51D Seat Horizontal Motor - Driver



3683652

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

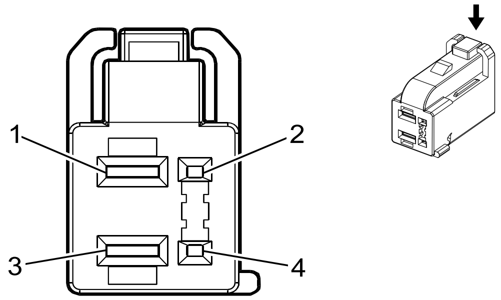
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M51D Seat Horizontal Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	YE/BU	285	Driver Power Seat Horizontal Motor Forward Control	I	—
2	0.35	WH/RD	3298	Memory Sensor High Reference 2	II	—
3	1.5	GY/GN	284	Driver Power Seat Horizontal Motor Rearward Control	I	—
4	0.5	GN	569	Memory Seat Horizontal Motor Position Sensor Signal	II	—

M51P Seat Horizontal Motor - Passenger



3683652

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

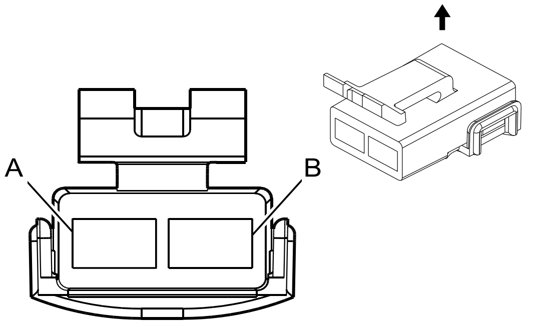
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M51P Seat Horizontal Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5 1.5	YE/BU YE/WH	290 296	Passenger Power Seat Horizontal Motor Rearward Control Passenger Power Seat Horizontal Motor Forward Control	I I	AG2/AG6-A45 AG2+ULT
2	—	—	—	Not Occupied	—	—
3	1.5 1.5	YE/WH YE/BU	296 290	Passenger Power Seat Horizontal Motor Forward Control Passenger Power Seat Horizontal Motor Rearward Control	I I	AG2/AG6-A45 AG2+ULT
4	—	—	—	Not Occupied	—	—

M52D Seat Lumbar Support Horizontal Motor - Driver



130707

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 12020556
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 480 Metri-Pack Series (BK)

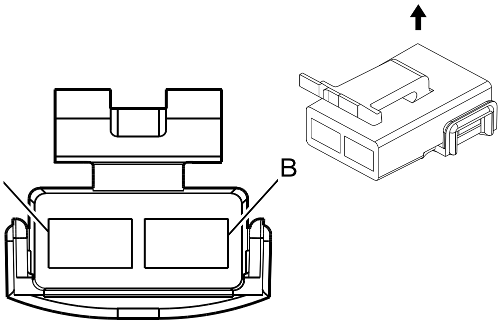
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-40 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M52D Seat Lumbar Support Horizontal Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	BU	611	Driver Power Seat Lumbar Motor Forward Control	I	—
B	1.5	VT	610	Driver Power Seat Lumbar Motor Rearward Control	I	—

M52P Seat Lumbar Support Horizontal Motor - Passenger



130707

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 12020556
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 480 Metri-Pack Series (BK)

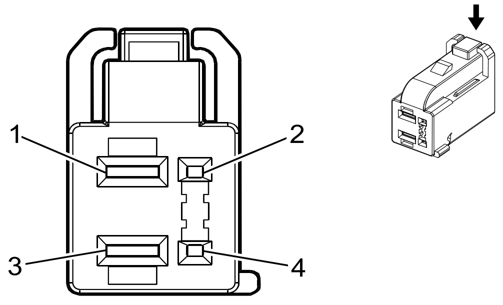
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-40 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M52P Seat Lumbar Support Horizontal Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	BU	211	Passenger Power Seat Lumbar Motor Forward Control	I	—
B	1.5	VT	210	Passenger Power Seat Lumbar Motor Rearward Control	I	—

M55D Seat Rear Vertical Motor - Driver



3683652

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

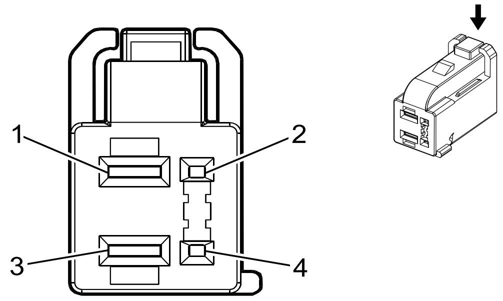
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M55D Seat Rear Vertical Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GY/BU	283	Driver Power Seat Rear Vertical Motor Down Control	I	—
2	0.35	WH/RD	3298	Memory Sensor High Reference 2	II	—
3	1.5	YE	282	Driver Power Seat Rear Vertical Motor Up Control	I	—
4	0.5	YE/BU	568	Memory Seat Rear Vertical Motor Position Sensor Signal	II	—

M55P Seat Rear Vertical Motor - Passenger



3683652

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

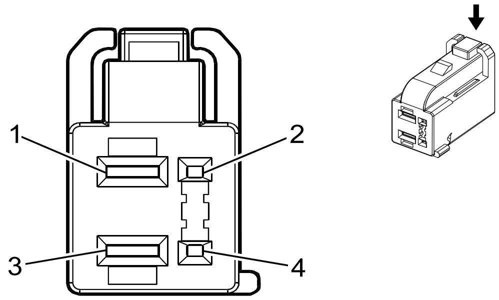
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M55P Seat Rear Vertical Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5 1.5	GN/WH BU/WH	288 289	Passenger Power Seat Rear Vertical Motor Up Control Passenger Power Seat Rear Vertical Motor Down Control	I I	AG2 AG2+ULT
2	—	—	—	Not Occupied	—	—
3	1.5 1.5	BU/WH GN/WH	289 288	Passenger Power Seat Rear Vertical Motor Down Control Passenger Power Seat Rear Vertical Motor Up Control	I I	AG2 AG2+ULT
4	—	—	—	Not Occupied	—	—

M56D Seat Recline Motor - Driver



3683652

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

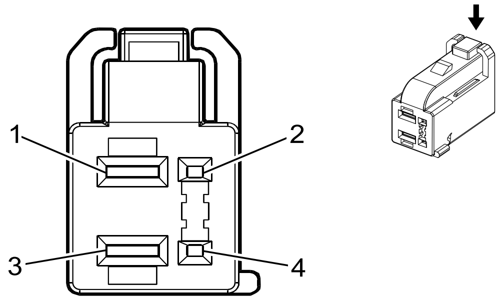
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M56D Seat Recline Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GN/YE	276	Driver Power Seat Recline Motor Forward Control	I	—
2	0.35	WH/RD	3298	Memory Sensor High Reference 2	II	—
3	1.5	BU/YE	277	Driver Power Seat Recline Motor Rearward Control	I	—
4	0.35	WH/BK	570	Driver Memory Seat Recline Motor Position Sensor Signal	II	—

M56P Seat Recline Motor - Passenger



3683652

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

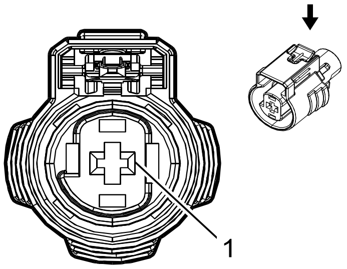
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M56P Seat Recline Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5 1.5	GN BU/BN	76 77	Passenger Power Seat Recline Motor Forward Control Passenger Power Seat Recline Motor Rearward Control	I I	AG2/AG6-A45 AG2+ULT
2	—	—	—	Not Occupied	—	—
3	1.5 1.5	BU/BN GN	77 76	Passenger Power Seat Recline Motor Rearward Control Passenger Power Seat Recline Motor Forward Control	I I	AG2/AG6-A45 AG2+ULT
4	—	—	—	Not Occupied	—	—

M64 Starter Motor (L83/L86)



2717134

Connector Part Information

Harness Type: Engine
OEM Connector: 15526411
Service Connector: 19300471
Description: 1-Way F 2.8 MCP Series, Sealed (BK)

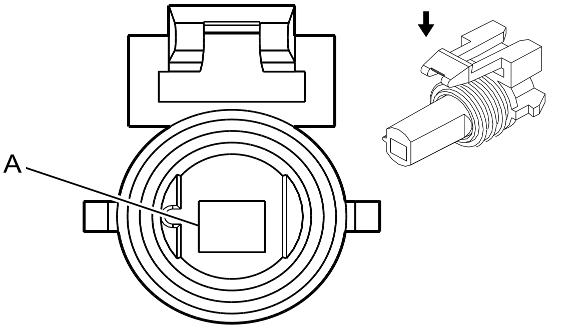
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M64 Starter Motor (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	4	YE	6	Starter Solenoid Crank Ignition Voltage	I	—

M64 Starter Motor (L96)



Connector Part Information

Harness Type: Engine
OEM Connector: 12089916
Service Connector: 19367559
Description: 1-Way F 280 Metri-Pack Series, Sealed (GY)

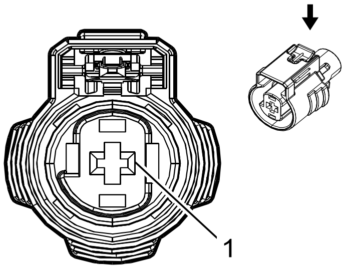
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M64 Starter Motor (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	4	YE	6	Starter Solenoid Crank Ignition Voltage	I	—

M64 Starter Motor X2



2717134

Connector Part Information

Harness Type: Battery
OEM Connector: 13895252
Service Connector: Service by Harness - See Part Catalog
Description: 1-Way F 2.8 MCP Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M64 Starter Motor X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	35	RD/YE	2	Battery Positive Voltage	I	—

M69 Sunroof Motor (CF5)

—

Connector Part Information

Harness Type: Sunroof
OEM Connector: 6098–6097
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 12-Way F (NA)

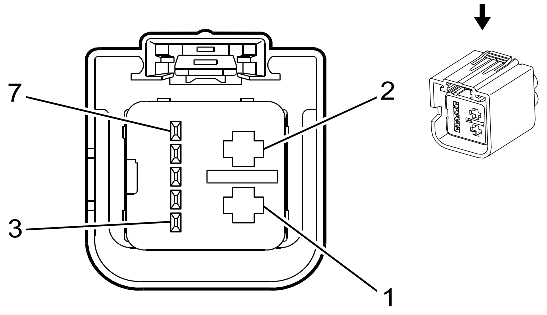
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M69 Sunroof Motor (CF5)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/YE	43	Accessory Ignition Voltage	I	—
2	0.35	BN/BU	2074	Sunroof Switch Express Signal	I	—
4	0.35	YE/VT	144	Sunroof Switch Open Vent Signal	I	—
5	0.35	BU/WH	110	Sunroof Switch Close Signal	I	—
6	0.35	GY/VT	2075	Sunroof Switch Close Vent Signal	I	—
7	0.35	GN/WH	100	Sunroof Switch Open Signal	I	—
8	2.5	RD/GN	3140	Battery Positive Voltage	I	—
12	2.5	BK	1050	Ground	I	—

M74D Window Motor - Driver



2282932

Connector Part Information

Harness Type: Driver Door
OEM Connector: 15504732
Service Connector: Service by Harness - See Part Catalog
Description: 7-Way F 0.64, 2.8 Kaizen Timer Series, Sealed (BK)

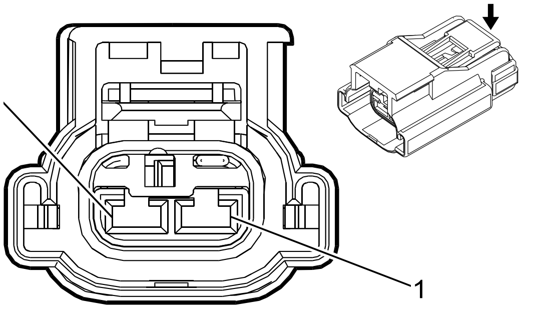
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M74D Window Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BK	1150	Ground	I	—
2	2.5	RD/BU	1842	Battery Positive Voltage	I	—
3	0.35	GN/WH	1300	Power Window Master Switch Left Front Up Signal	II	—
4	0.5	GN/YE	6134	Local Interconnect Network Serial Data Bus 3	II	—
5	0.35	GN/VT	7628	Power Window Motor Left Front Express Control	II	—
6	0.35	GY	745	Left Front Door Ajar Switch Signal	II	—
7	0.35	GY	1136	Power Window Master Switch Left Front Down Signal	II	—

M74LR Window Motor - Left Rear



3372003

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 13896059
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 2.8 APEX Series, Sealed (BK)

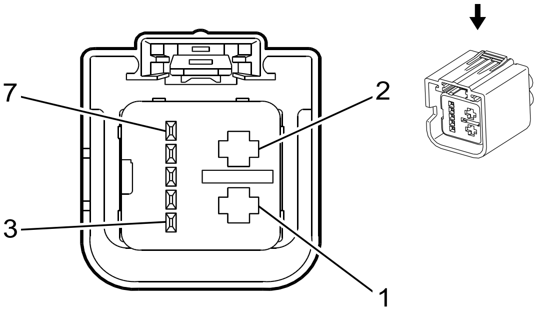
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M74LR Window Motor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BU/VT	668	Power Window Motor Left Rear Up Control	I	—
2	2.5	YE/BU	669	Power Window Motor Left Rear Down Control	I	—

M74P Window Motor - Passenger



2282932

Connector Part Information

Harness Type: Passenger Door
OEM Connector: 15504732
Service Connector: Service by Harness - See Part Catalog
Description: 7-Way F 0.64, 2.8 Kaizen Timer Series, Sealed (BK)

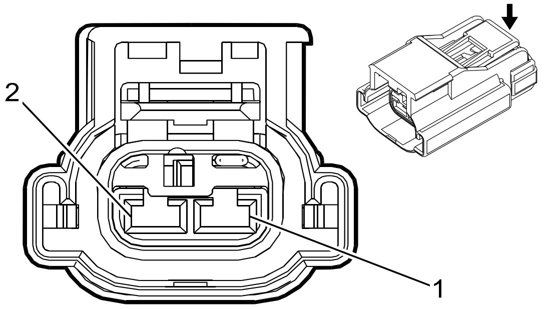
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M74P Window Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BK	1250	Ground	I	—
2	2.5	RD/WH	1340	Battery Positive Voltage	I	—
3	0.35	YE/BK	166	Power Window Master Switch Right Front Up Signal	II	—
4	0.5	GN/YE	6134	Local Interconnect Network Serial Data Bus 3	II	—
5	0.35	VT/GY	2765	Power Window Switch Right Front Express Signal	II	—
6	0.35	GY	746	Right Front Door Ajar Switch Signal	II	—
7	0.35	BN/YE	167	Power Window Master Switch Right Front Down Signal	II	—

M74RR Window Motor - Right Rear



3372003

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 13896059
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 2.8 APEX Series, Sealed (BK)

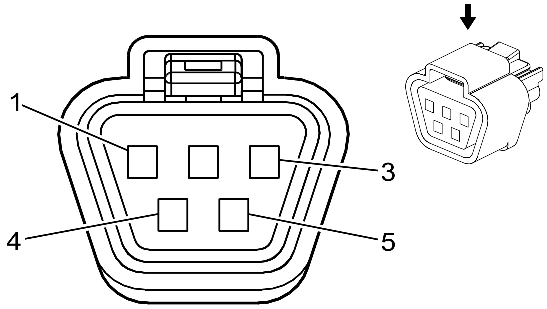
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M74RR Window Motor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BU/GY	670	Power Window Motor Right Rear Up Control	I	—
2	2.5	GN/BK	671	Power Window Motor Right Rear Down Control	I	—

M75 Windshield Wiper Motor



1715213

Connector Part Information

Harness Type: Body
OEM Connector: 15316488
Service Connector: 13587179
Description: 5-Way F 090 Series, Sealed (BK)

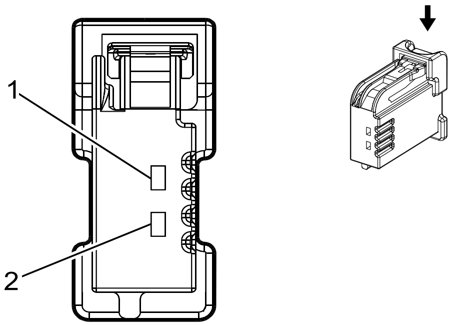
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-18 (BK)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M75 Windshield Wiper Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	YE/BN	95	Windshield Wiper Motor Low Speed Control	II	—
2	0.5	BK	1850	Ground	I	—
3	0.5	BN/GN	196	Windshield Wiper Motor Park Switch Signal	I	—
4	1	WH	92	Windshield Wiper Motor High Speed Control	II	—
5	1	BK	550	Ground	II	—

M91 Instrument Panel Compartment Door Unlatch Actuator



2179775

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13608099
Service Connector: 13314097
Description: 2-Way F 1.5 Series (GY)

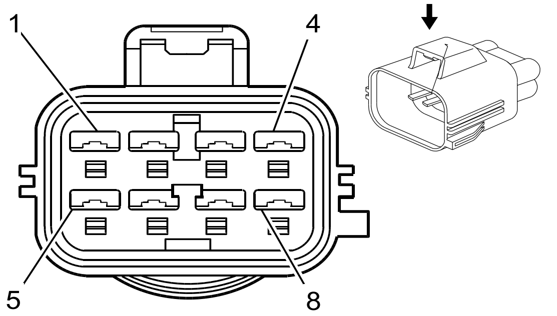
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M91 Instrument Panel Compartment Door Unlatch Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/GY	4048	Glove Box Door Release Control	I	—
2	1	BK	1050	Ground	I	—

M95L Assist Step - Left



1856785

Connector Part Information

Harness Type: Chassis
OEM Connector: 15419459
Service Connector: 19367561
Description: 8-Way M 2.8 Series, Sealed (D-GY)

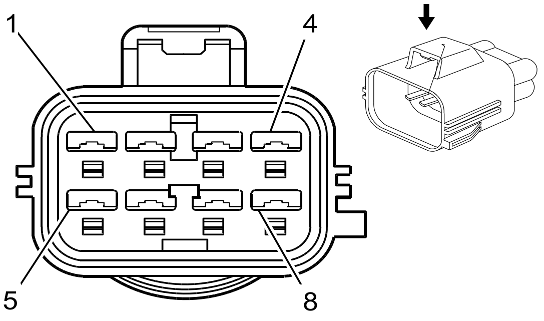
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M95L Assist Step - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2	WH/BN	7471	Articulating Running Boards Motor Left Control Extend	I	—
2	0.5	VT/RD	7468	Running Boards Motor Hall Sensor Left 5V Reference	I	—
3	0.5	YE	7467	Running Boards Motor Hall Sensor Left Signal	I	—
4	0.5	YE/BN	7466	Running Boards Motor Hall Sensor Left Low Reference	I	—
5	2	GY	7472	Articulating Running Boards Motor Left Control Retract	I	—
6	—	—	—	Not Occupied	—	—
7	0.5	GY/GN	5996	Driver Outside Rear View Mirror Puddle Lamp Control	I	—
8	0.5	BK	1750	Ground	I	—

M95R Assist Step - Right



Connector Part Information

Harness Type: Chassis
OEM Connector: 15419459
Service Connector: 19367561
Description: 8-Way M 2.8 Series, Sealed (D-GY)

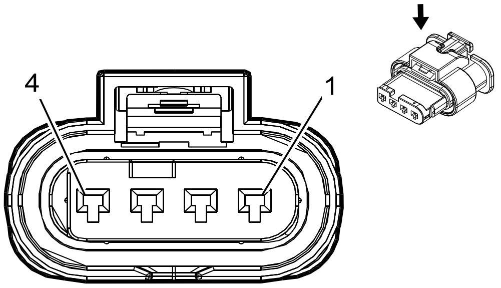
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M95R Assist Step - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2	BU	7470	Articulating Running Boards Motor Right Control Extend	I	—
2	0.5	GN/RD	7464	Running Boards Motor Hall Sensor Right 5V Reference	I	—
3	0.5	VT	7465	Running Boards Motor Hall Sensor Right Signal	I	—
4	0.5	YE/BK	7463	Running Boards Motor Hall Sensor Right Low Reference	I	—
5	2	GN	7469	Articulating Running Boards Motor Right Control Retract	I	—
6	—	—	—	Not Occupied	—	—
7	0.5	GY/GN	5996	Driver Outside Rear View Mirror Puddle Lamp Control	I	—
8	0.5	BK	1750	Ground	I	—

M96A Active Grille Air Shutter 1 Actuator



3224651

Connector Part Information

Harness Type: Active Grille Air Shutter Jumper
OEM Connector: 13576419
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 1.2 MCON Series (NA)

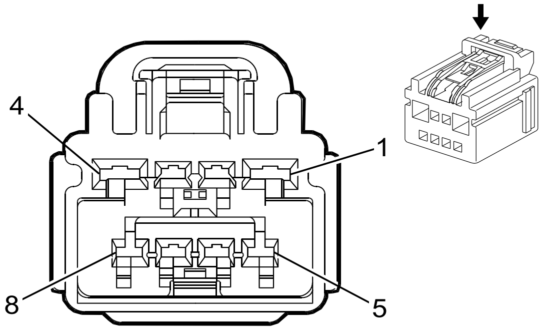
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M96A Active Grille Air Shutter 1 Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BU	5290	Powertrain Main Relay Fused Supply 1	I	—
2	0.5	GN/VT	4621	Local Interconnect Network Serial Data Bus 21	I	—
3	—	—	—	Not Occupied	—	—
4	0.5	BK	250	Ground	I	—

M101L Seat Belt Retractor Motor Module - Left



1851882

Connector Part Information

Harness Type: Body
OEM Connector: 10847007
Service Connector: 19153181
Description: 8-Way F YESC Kaizen Series (L-GY)

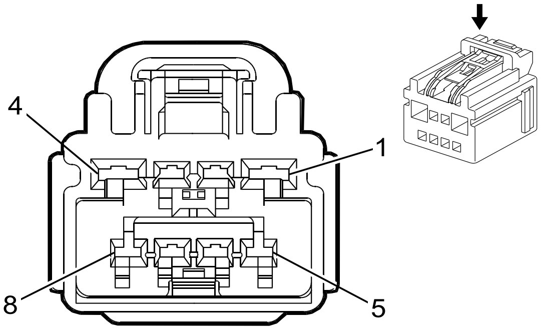
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M101L Seat Belt Retractor Motor Module - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	4	BK	1150	Ground	II	—
2	0.35	WH/BU	5986	Serial Data Communication Enable	I	—
3	—	—	—	Not Occupied	—	—
4	4	RD/WH	4042	Battery Positive Voltage	II	—
5	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
6	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
7	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
8	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—

M101R Seat Belt Retractor Motor Module - Right



1851882

Connector Part Information

Harness Type: Body
OEM Connector: 10847007
Service Connector: 19153181
Description: 8-Way F YESC Kaizen Series (L-GY)

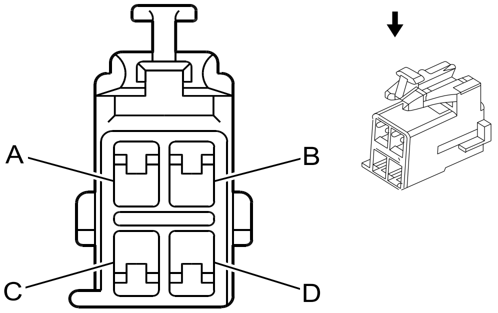
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M101R Seat Belt Retractor Motor Module - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	4	BK	1250	Ground	II	—
2	0.35	WH/BU	5986	Serial Data Communication Enable	I	—
3	—	—	—	Not Occupied	—	—
4	4	RD/GY	1042	Battery Positive Voltage	II	—
5	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
6	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
7	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
8	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—

M107LR Folding Seat Motor - 2nd Row Left



39667

Connector Part Information

Harness Type: Left Rear Seat
OEM Connector: 12129136
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 280 Metri-Pack Flexlock Series (BK)

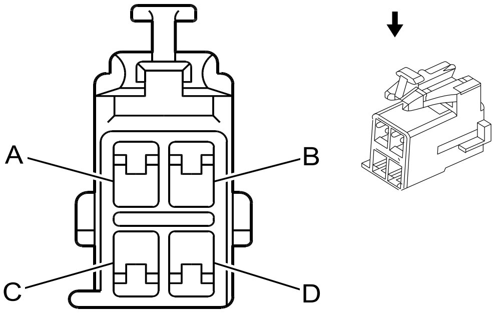
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M107LR Folding Seat Motor - 2nd Row Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	RD/BU	1240	Battery Positive Voltage	I	—
B	0.75	GY	1150	Ground	I	—
C	0.5	GN	6808	Left Rear Seat Fold Tumble Control	I	—
D	—	—	—	Not Occupied	—	—

M107RR Folding Seat Motor - 2nd Row Right



39667

Connector Part Information

Harness Type: Right Rear Seat
OEM Connector: 12129136
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 280 Metri-Pack Flexlock Series (BK)

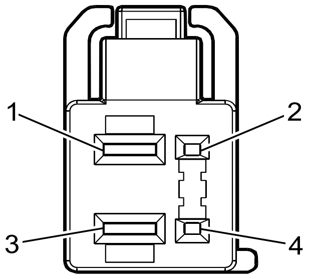
Terminal Part Information

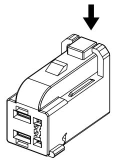
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M107RR Folding Seat Motor - 2nd Row Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	RD/BU	1240	Battery Positive Voltage	I	—
B	0.75	GY	1250	Ground	I	—
C	0.5	BN/WH	6809	Right Rear Seat Fold Tumble Control	I	—
D	—	—	—	Not Occupied	—	—

M108LR Folding Seat Motor - 3rd Row Left (AS8)





3683652

Connector Part Information

Harness Type: 3rd Row Seat Left
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

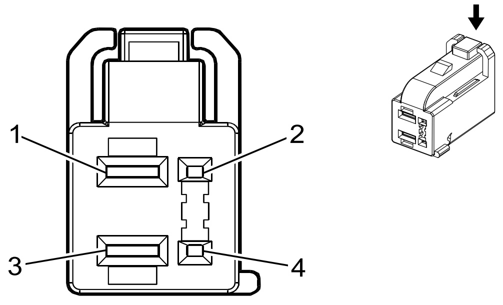
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (L-BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M108LR Folding Seat Motor - 3rd Row Left (AS8)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	TN	4222	LH Third Row Seat Recline Motor Rearward Control	I	—
2	0.35	YE/BU	4214	LH Third Row Seat Recline Position Sensor Signal	I	—
3	1.5	RD	4221	LH Third Row Seat Recline Motor Forward Control	I	—
4	0.35	BN/WH	4216	Seat Sensor Voltage Reference #1	I	—

M108RR Folding Seat Motor - 3rd Row Right (AS8)



3683652

Connector Part Information

Harness Type: 3rd Row Seat Right
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

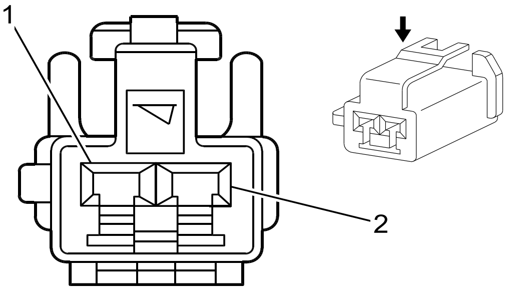
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (L-BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M108RR Folding Seat Motor - 3rd Row Right (AS8)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	OG	4218	RH Third Row Seat Recline Rearward Control	I	—
2	0.35	WH/RD	4213	RH Third Row Seat Recline Position Sensor Signal	I	—
3	1.5	BU/	4217	RH Third Row Seat Recline Motor Forward Control	I	—
4	0.35	WH/BK	4215	Seat Sensor Voltage Reference #2	I	—

M109LR Folding Seat Back Unlatch Motor - 3rd Row Left (AS8)



1853504

Connector Part Information

Harness Type: 3rd Row Seat Left
OEM Connector: 7283-6160
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 090 Series (NA)

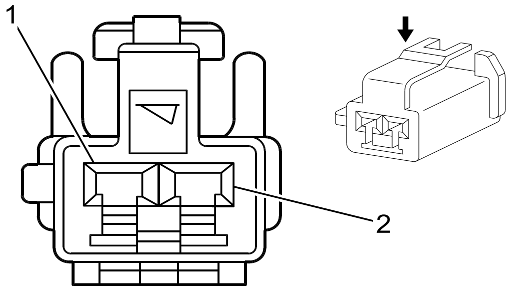
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (L-BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M109LR Folding Seat Back Unlatch Motor - 3rd Row Left (AS8)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	YE/WH	4228	LH Third Row Seat Recline Rearward Lock Actuator Control	I	—
2	1.5	GY	4227	LH Third Row Seat Recline Forward Lock Actuator Control	I	—

M109RR Folding Seat Back Unlatch Motor - 3rd Row Right (AS8)



1853504

Connector Part Information

Harness Type: 3rd Row Seat Right
OEM Connector: 7283-6160
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 090 Series (NA)

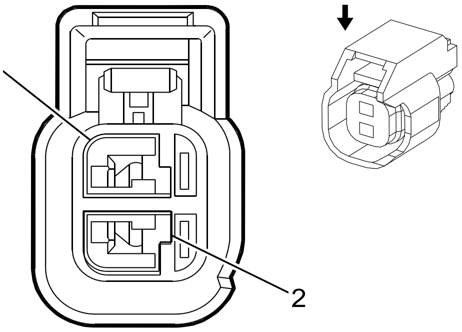
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (L-BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M109RR Folding Seat Back Unlatch Motor - 3rd Row Right (AS8)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	RD/GY	4225	RH Third Row Seat Recline Forward Lock Actuator Control	I	—
2	1.5	GN	4226	RH Third Row Seat Recline Rearward Lock Actuator Control	I	—

P12 Horn



2179765

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13594801
Service Connector: 13585854
Description: 2-Way F 150 GT Series, Sealed (BK)

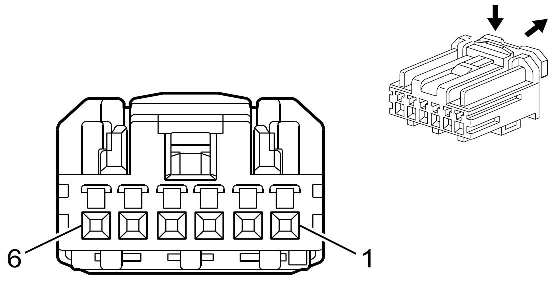
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P12 Horn

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	150	Ground	I	—
2	0.75	BN/GY	29	Horn Control	I	—

P14 Passenger Air Bag Disabled Indicator (DRZ+XL7)



4650256

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 33358802
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 HCM Series (NA)

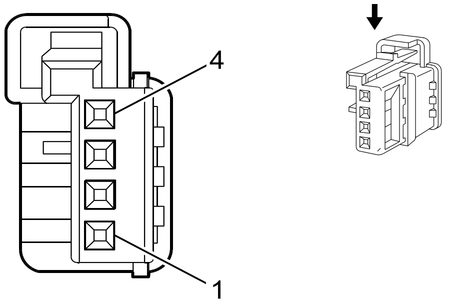
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P14 Passenger Air Bag Disabled Indicator (DRZ+XL7)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU	2307	Passenger Air Bag On Indicator Control	I	—
2	0.5	BK	1050	Ground	I	—
3	0.35	GN	2308	Passenger Air Bag Off Indicator Control	I	—
4	0.35	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	—
5	0.35	VT/WH	5234	Passenger Seat Belt Indicator Control	I	—
6	—	—	—	Not Occupied	—	—

P14 Passenger Air Bag Disabled Indicator (DRZ+XL8)



2904464

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 10812166
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Micro-Quadlock Series (GY)

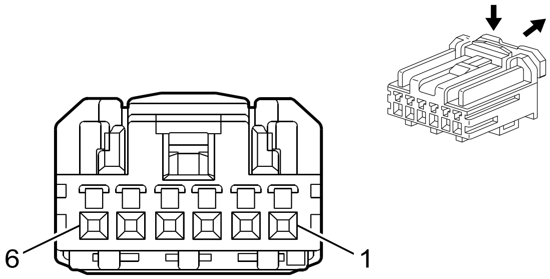
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P14 Passenger Air Bag Disabled Indicator (DRZ+XL8)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	1050	Ground	I	—
2	0.35	BU	2307	Passenger Air Bag On Indicator Control	I	—
3	0.35	GN	2308	Passenger Air Bag Off Indicator Control	I	—
4	0.35	VT/WH	5234	Passenger Seat Belt Indicator Control	I	—

P14 Passenger Air Bag Disabled Indicator (-DRZ)



4650256

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 33358802
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 HCM Series (NA)

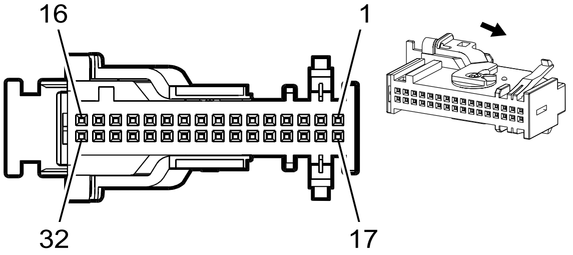
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P14 Passenger Air Bag Disabled Indicator (-DRZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU	2307	Passenger Air Bag On Indicator Control	I	—
2	0.5	BK	1050	Ground	I	—
3	0.35	GN	2308	Passenger Air Bag Off Indicator Control	I	—
4	0.35	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	—
5	0.35	VT/WH	5234	Passenger Seat Belt Indicator Control	I	—
6	—	—	—	Not Occupied	—	—

P16 Instrument Cluster X1



627214

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 12198036
Service Connector: 88988405
Description: 32-Way F 0.64 Micro-Quadlock Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575522	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575782	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

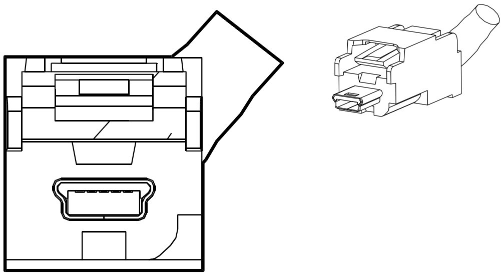
P16 Instrument Cluster X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/GN	3997	MOST Serial Data (-)	I	—
2	0.5	GY/VT	3998	MOST Serial Data (+)	I	—
3	0.5	GY/GN	1102	Low Speed GMLAN Serial Data #2	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	WH/VT	3999	MOST Control	II	—
6	—	—	—	Not Occupied	—	—
7	0.5	RD/GY	2840	Battery Positive Voltage	II	—
8	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	I	—
9 - 11	—	—	—	Not Occupied	—	—
12	0.35	GY/YE	3885	Forward Collision Alert LED Control	I	—
13 - 15	—	—	—	Not Occupied	—	—
16	0.35	BN/WH	419	Check Engine Indicator Control	I	—
17	0.5	GY/VT	3998	MOST Serial Data (+)	I	—
18	0.5	WH/GN	3997	MOST Serial Data (-)	I	—
19	0.5	BK/WH	1851	Signal Ground	I	—
20	0.5	GN/BK	3894	Local Interconnect Network Serial Data Bus 12	I	—
21	0.5	GN/BK	3894	Local Interconnect Network Serial Data Bus 12	I	—
22 - 23	—	—	—	Not Occupied	—	—
24	0.35	VT	185	Low Washer Fluid Indicator Control	I	—

P16 Instrument Cluster X1 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
25	0.35	BK/BU	61	Outside Ambient Temperature Sensor Low Reference	I	—
26	—	—	—	Not Occupied	—	—
27	0.35	BU/GY	636	Outside Ambient Air Temperature Sensor Signal	I	—
28 - 29	—	—	—	Not Occupied	—	—
30	0.35	WH/GN	3535	Reflected LED Display Dimming Control	I	—
31 - 32	—	—	—	Not Occupied	—	—

P16 Instrument Cluster X2 (UV6)



Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13585546
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (BK)

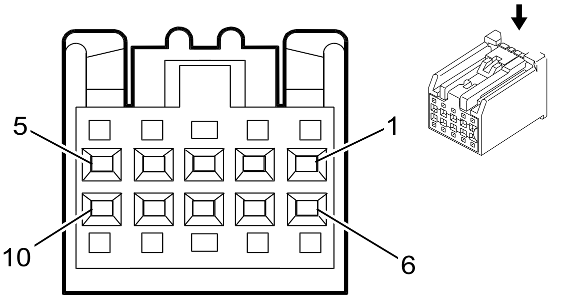
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

P16 Instrument Cluster X2 (UV6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Head Up Display) Head Up Display Signal	I	—

P17 Info Display Module X1



2180211

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13815336
Service Connector: 13577390
Description: 10-Way F 0.64 Kaizen Series (BK)

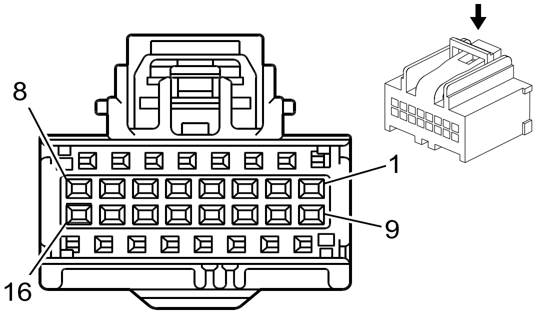
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

P17 Info Display Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/GY	2840	Battery Positive Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	GY/GN	1102	Low Speed GMLAN Serial Data #2	I	—
4	—	—	—	Not Occupied	—	—
5	0.5	GN/BU	7532	Local Interconnect Network Serial Data Bus 10	I	—
6 - 7	—	—	—	Not Occupied	—	—
8	0.5	GN/WH	7527	Local Interconnect Network Serial Data Bus 5	I	—
9	—	—	—	Not Occupied	—	—
10	0.35	BK	2550	Ground	I	—

P17 Info Display Module X1 (Z75)



1653409

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15491285
Service Connector: 15136073
Description: 16-Way F 0.64 Kaizen Series (BK)

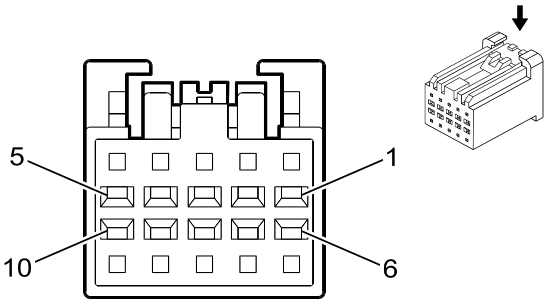
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

P17 Info Display Module X1 (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 5	—	—	—	Not Occupied	—	—
6	0.5	GN/WH	7527	Local Interconnect Network Serial Data Bus 5	I	—
7	0.5	GN/BU	7532	Local Interconnect Network Serial Data Bus 10	I	—
8	0.35	GN/YE	7531	Local Interconnect Network Serial Data Bus 9	I	—
9	0.5	RD/GY	2840	Battery Positive Voltage	I	—
10 - 11	—	—	—	Not Occupied	—	—
12	0.5	GY/GN	1102	Low Speed GMLAN Serial Data #2	I	—
13 - 15	—	—	—	Not Occupied	—	—
16	0.35	BK	2550	Ground	I	—

P17 Info Display Module X2



2840038

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13876499
Service Connector: 13581139
Description: 10-Way F 0.64 Kaizen Series (GY)

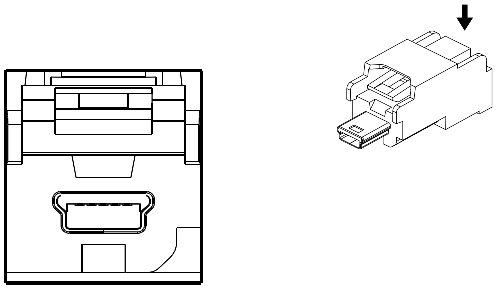
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

P17 Info Display Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/GY	2840	Battery Positive Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—
4 - 8	—	—	—	Not Occupied	—	—
9	0.35	GN/YE	7531	Local Interconnect Network Serial Data Bus 9	I	—
10	0.35	BK	2550	Ground	I	—

P17 Info Display Module X2 (Z75)



3028808

Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13584750
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (BK)

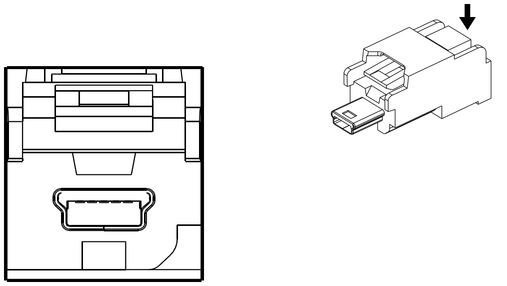
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

P17 Info Display Module X2 (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

P17 Info Display Module X3 (U42)



3028809

Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13587999
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini B USB Type (BK)

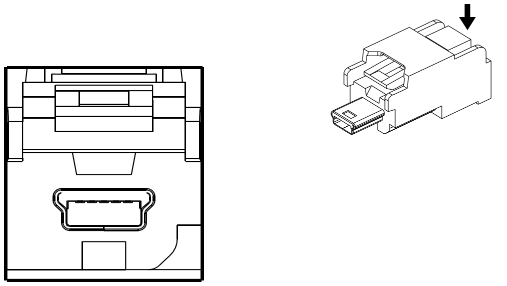
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

P17 Info Display Module X3 (U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

P17 Info Display Module X3 (-U42)



3028809

Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13585072
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini B USB Type (BK)

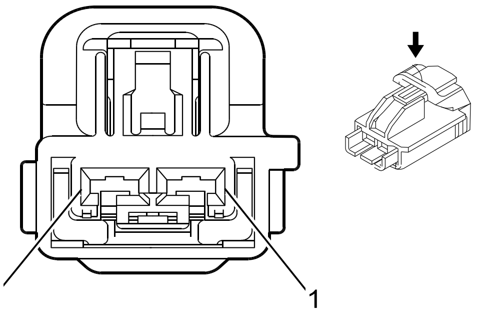
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

P17 Info Display Module X3 (-U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

P19AC Speaker - Subwoofer



1803142

Connector Part Information

Harness Type: Body
OEM Connector: 10846819
Service Connector: 19367562
Description: 2-Way F YESC Kaizen Series (L-GY)

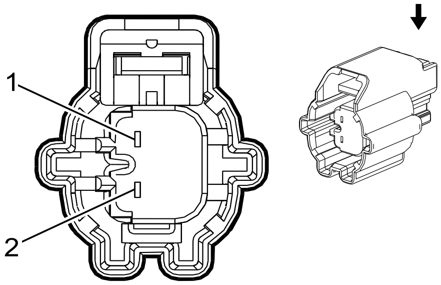
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19AC Speaker - Subwoofer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BU/GY	346	Left/Rear Subwoofer Speaker Control (+)	I	—
2	2.5	GY/BK	315	Right Subwoofer Speaker (-) Low Reference	I	—

P19AG Speaker - Left Front Door (UQ3/UQA/UQS)



2179782

Connector Part Information

Harness Type: Driver Door
OEM Connector: 13665501
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series (BK)

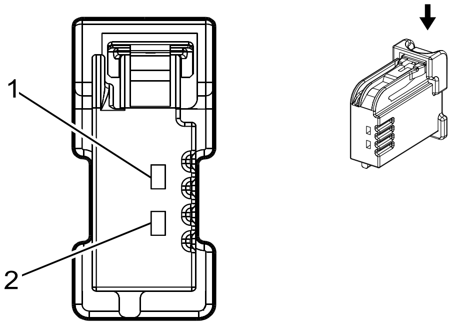
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19AG Speaker - Left Front Door (UQ3/UQA/UQS)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BN/BU	118	Left Front Speaker Signal (-) 1	I	—
2	1	BU	201	Left Front Speaker Control (+) 1	I	—

P19AG Speaker - Left Front Door (UQH)



2179775

Connector Part Information

Harness Type: Driver Door Trim
OEM Connector: 13608099
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series (GY)

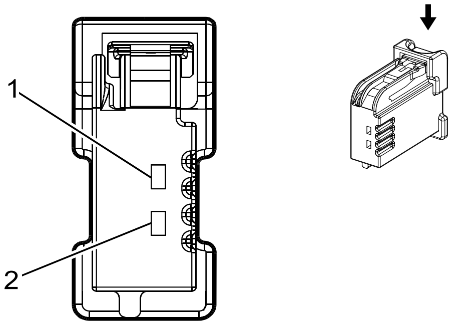
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19AG Speaker - Left Front Door (UQH)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE/GY	1956	Left Front Tweeter Speaker (-) Low Reference	I	—
2	0.75	YE/BU	1856	Left Front Tweeter Speaker Control (+)	I	—

P19AH Speaker - Right Front Door (UQH)



2179775

Connector Part Information

Harness Type: Passenger Door Trim
OEM Connector: 13608099
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series (GY)

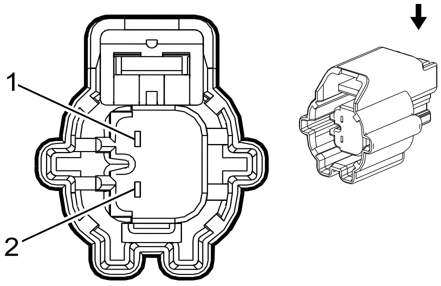
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19AH Speaker - Right Front Door (UQH)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/BN	1952	Right Front Tweeter Speaker (-) Low Reference	I	—
2	0.75	BN/GN	1852	Right Front Tweeter Speaker Control (+)	I	—

P19AH Speaker - Right Front Door (-UQH)



2179782

Connector Part Information

Harness Type: Passenger Door
OEM Connector: 13665501
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series (BK)

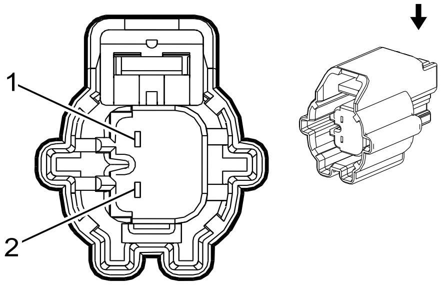
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19AH Speaker - Right Front Door (-UQH)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	YE/BK	117	Right Front Speaker Signal (-) 1	I	—
2	1	YE	200	Right Front Speaker Control (+) 1	I	—

P19AL Speaker - Left Rear Door



2179782

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 13665501
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series (BK)

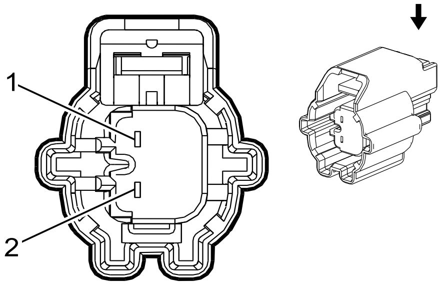
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19AL Speaker - Left Rear Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	GN/BK	116	Left Rear Speaker Signal (-)	I	—
2	1	GN	199	Left Rear Speaker Control (+)	I	—

P19AM Speaker - Right Rear Door



2179782

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 13665501
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series (BK)

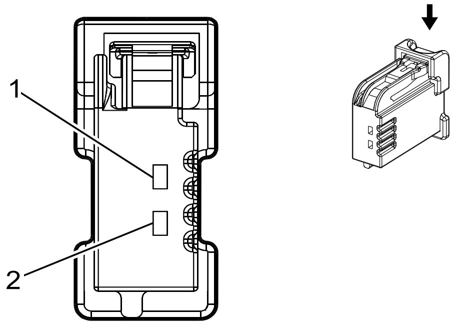
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19AM Speaker - Right Rear Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BU/BK	115	Right Rear Speaker Signal (-)	I	—
2	1	WH	46	Right Rear Speaker Control (+)	I	—

P19AN Speaker - Left Rear Trim Panel



2179775

Connector Part Information

Harness Type: Body
OEM Connector: 13608099
Service Connector: 13314097
Description: 2-Way F 1.5 Series (GY)

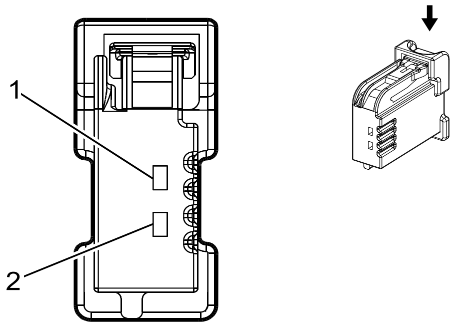
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19AN Speaker - Left Rear Trim Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	GN/BK	116	Left Rear Speaker Signal (-)	I	UQ3
	1	WH/BK	1959	Left Rear Midrange Speaker (-) Low Reference	I	UQS/UQH
2	1	GN	199	Left Rear Speaker Control (+)	I	UQ3
	1	YE/BN	1859	Left Rear Midrange Speaker Control (+)	I	UQS/UQH

P19AP Speaker - Right Rear Trim Panel



2179775

Connector Part Information

Harness Type: Body
OEM Connector: 13608099
Service Connector: 13314097
Description: 2-Way F 1.5 Series (GY)

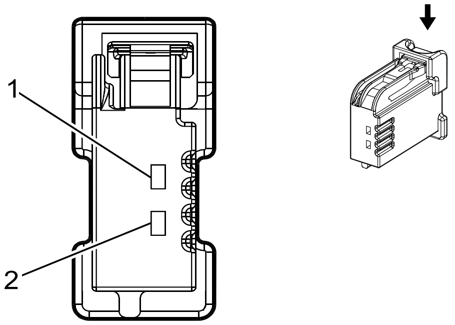
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19AP Speaker - Right Rear Trim Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BU/BK	115	Right Rear Speaker Signal (-)	I	UQA
	1	WH/BK	1959	Left Rear Midrange Speaker (-) Low Reference	I	UQS/UQH
2	1	WH	46	Right Rear Speaker Control (+)	I	UQA
	1	YE/BN	1859	Left Rear Midrange Speaker Control (+)	I	UQS/UQH

P19B Speaker - Center Instrument Panel



2179775

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13608099
Service Connector: 13314097
Description: 2-Way F 1.5 Series (GY)

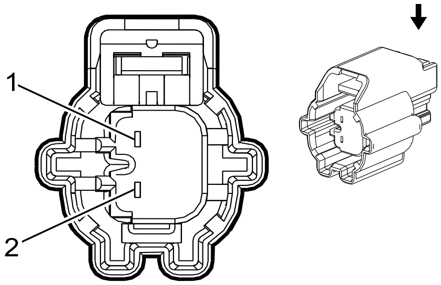
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19B Speaker - Center Instrument Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BU/YE	1960	Front Center Speaker (-) Low Reference	I	—
2	0.75	YE/WH	1860	Front Center Speaker Control (+)	I	—

P19DD Speaker - Left Front Door Woofer



2179782

Connector Part Information

Harness Type: Driver Door
OEM Connector: 13665501
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series (BK)

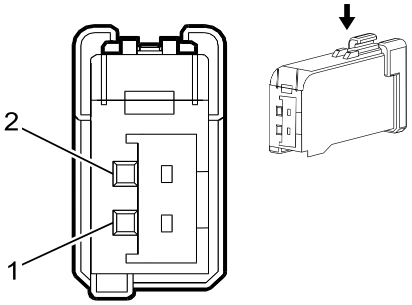
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19DD Speaker - Left Front Door Woofer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BN/BU	118	Left Front Speaker Signal (-) 1	I	—
2	1	BU	201	Left Front Speaker Control (+) 1	I	—

P19HD Speaker - Left Front Door Tweeter



2394104

Connector Part Information

Harness Type: Driver Door Trim
OEM Connector: 13595633
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Kaizen Series (BK)

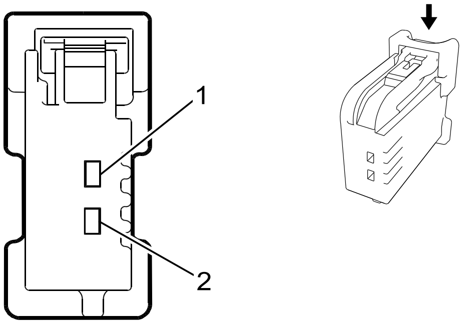
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19HD Speaker - Left Front Door Tweeter

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BU	201	Left Front Speaker Control (+) 1	I	—
2	0.75	BN/BU	118	Left Front Speaker Signal (-) 1	I	—

P19J Speaker - Left Instrument Panel (UQ3)



2173586

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13595207
Service Connector: 13584097
Description: 2-Way F 1.5 Series (BK)

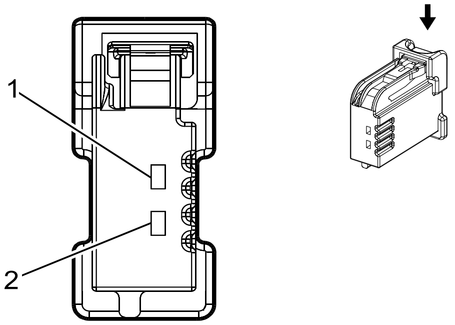
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19J Speaker - Left Instrument Panel (UQ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/BU	118	Left Front Speaker Signal (-) 1	I	—
2	0.5	BU	201	Left Front Speaker Control (+) 1	I	—

P19J Speaker - Left Instrument Panel (UQA/UQH/UQS)



2179775

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13608099
Service Connector: 13314097
Description: 2-Way F 1.5 Series (GY)

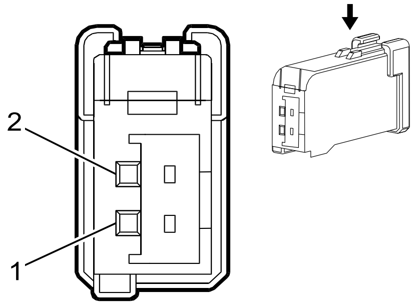
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19J Speaker - Left Instrument Panel (UQA/UQH/UQS)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE/GY	1956	Left Front Tweeter Speaker (-) Low Reference	I	—
2	0.75	YE/BU	1856	Left Front Tweeter Speaker Control (+)	I	—

P19M Speaker - Left Rear Tweeter



2394104

Connector Part Information

Harness Type: Left Rear Door Trim
OEM Connector: 13595633
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Kaizen Series (BK)

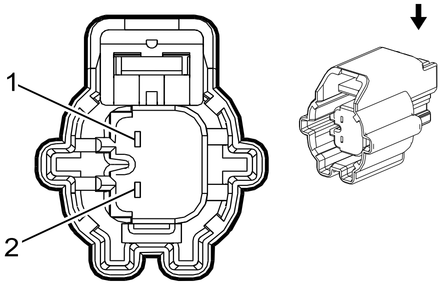
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19M Speaker - Left Rear Tweeter

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GN/BK	116	Left Rear Speaker Signal (-)	I	—
2	0.75	GN	199	Left Rear Speaker Control (+)	I	—

P19PD Speaker - Right Front Door Woofer



2179782

Connector Part Information

Harness Type: Passenger Door
OEM Connector: 13665501
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series (BK)

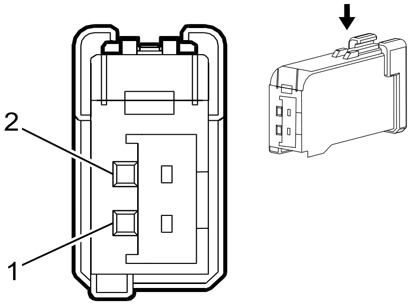
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19PD Speaker - Right Front Door Woofer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	YE/BK	117	Right Front Speaker Signal (-) 1	I	—
2	1	YE	200	Right Front Speaker Control (+) 1	I	—

P19VD Speaker - Right Front Door Tweeter



Connector Part Information

Harness Type: Passenger Door Trim
OEM Connector: 13595633
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Kaizen Series (BK)

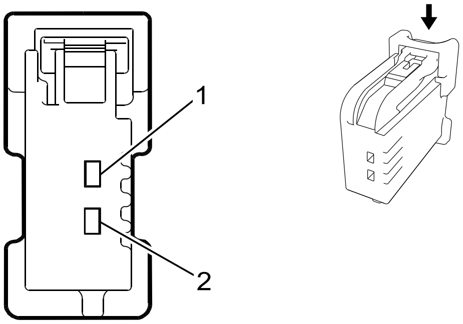
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19VD Speaker - Right Front Door Tweeter

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE	200	Right Front Speaker Control (+) 1	I	—
2	0.75	YE/BK	117	Right Front Speaker Signal (-) 1	I	—

P19W Speaker - Right Instrument Panel (UQ3)



2173586

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13595207
Service Connector: 13584097
Description: 2-Way F 1.5 Series (BK)

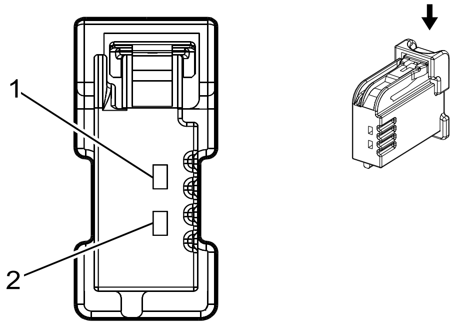
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19W Speaker - Right Instrument Panel (UQ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BK	117	Right Front Speaker Signal (-) 1	I	—
2	0.5	YE	200	Right Front Speaker Control (+) 1	I	—

P19W Speaker - Right Instrument Panel (UQA/UQH/UQS)



2179775

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13608099
Service Connector: 13314097
Description: 2-Way F 1.5 Series (GY)

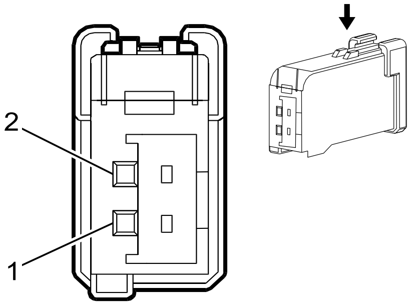
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19W Speaker - Right Instrument Panel (UQA/UQH/UQS)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/BN	1952	Right Front Tweeter Speaker (-) Low Reference	I	—
2	0.75	BN/GN	1852	Right Front Tweeter Speaker Control (+)	I	—

P19Z Speaker - Right Rear Tweeter



2394104

Connector Part Information

Harness Type: Right Rear Door Trim
OEM Connector: 13595633
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Kaizen Series (BK)

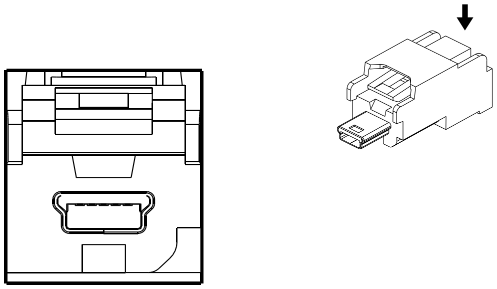
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19Z Speaker - Right Rear Tweeter

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BU/BK	115	Right Rear Speaker Signal (-)	I	—
2	0.75	WH	46	Right Rear Speaker Control (+)	I	—

P22A Video Display - 2nd Row X1 (U42+DNU)



Connector Part Information

Harness Type: Headliner LVDS
OEM Connector: 15535998
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini B USB Type (BK)

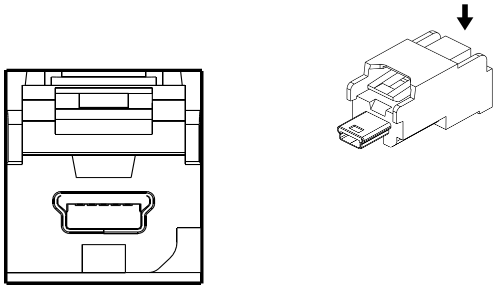
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

P22A Video Display - 2nd Row X1 (U42+DNU)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

P22A Video Display - 2nd Row X1 (U42-DNU)



3028808

Connector Part Information

Harness Type: Headliner LVDS
OEM Connector: 15535999
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini B USB Type (BK)

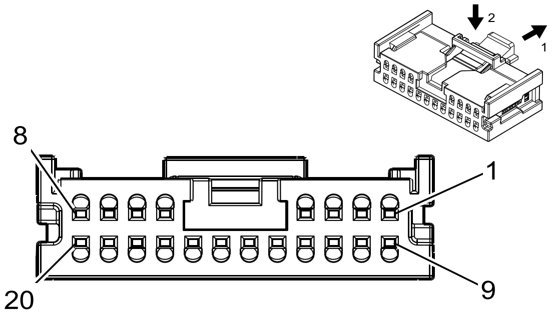
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

P22A Video Display - 2nd Row X1 (U42-DNU)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

P22A Video Display - 2nd Row X2 (U42+ULT)



4231339

Connector Part Information

Harness Type: Headliner
OEM Connector: 33167777
Service Connector: 13596105
Description: 20-Way F Mini 50 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19333221	EL-35616-58 (BK)	J-38125-553	Not Available	Not Available	Not Available	Not Available

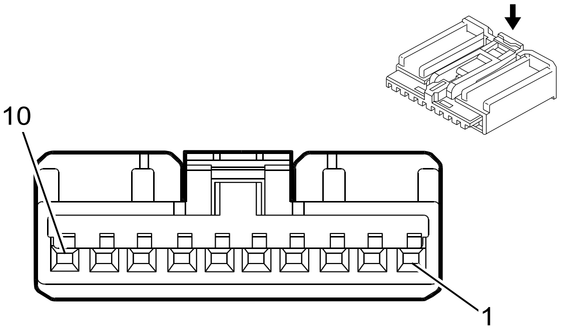
P22A Video Display - 2nd Row X2 (U42+ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/GN	7262	Rear Seat Entertainment Channel 3 Audio Signal Right (+)	I	—
2	0.35	WH/VT	7260	Rear Seat Entertainment Channel 3 Audio Signal Left (+)	I	—
3	0.35	WH/BN	7267	Rear Seat Entertainment Channel 4 Audio Signal Right (+)	I	—
4	0.35	WH/BU	7265	Rear Seat Entertainment Channel 4 Audio Signal Left (+)	I	—
5	0.35	BK	1050	Ground	I	—
6	0.35	YE	6817	LED Backlight Dimming Control	I	—
7	0.35	WH/BN	6815	Inadvertent Power Control	I	—
8	0.35	RD/GN	1540	Battery Positive Voltage	I	—
9	0.35	BN/WH	7263	Rear Seat Entertainment Channel 3 Audio Signal Right (-)	I	—
10	0.35	BN	7261	Rear Seat Entertainment Channel 3 Audio Signal Left (-)	I	—
11	0.35	BN/BU	7268	Rear Seat Entertainment Channel 4 Audio Signal Right (-)	I	—
12	0.35	BN/GY	7266	Rear Seat Entertainment Channel 4 Audio Signal Left (-)	I	—
13	0.35	BK	7264	Rear Seat Entertainment Channel 3 Audio Drain Wire	I	—
14	0.35	BK	7269	Rear Seat Entertainment Channel 4 Audio Drain Wire	I	—

P22A Video Display - 2nd Row X2 (U42+ULT) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
15	0.35	VT/GN	7558	LED Ambient Lighting Control 2	I	—
16	0.35	GY	157	Interior Lamp Control	I	—
17 - 18	—	—	—	Not Occupied	—	—
19	0.35	BK/WH	2550	Ground	I	—
20	0.35	GN/YE	7066	Entertainment Remote Enable Signal	I	—

P22A Video Display - 2nd Row X2 (U42-ULT)



1862241

Connector Part Information

Harness Type: Headliner
OEM Connector: 13574592
Service Connector: 13576634
Description: 10-Way F 0.64 Kaizen Series (BK)

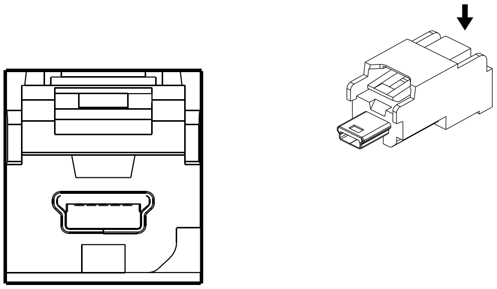
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

P22A Video Display - 2nd Row X2 (U42-ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/GN	7558	LED Ambient Lighting Control 2	I	—
2	0.5	BK	1050	Ground	I	—
3	0.5	GY	157	Interior Lamp Control	I	—
4	0.5	YE	6817	LED Backlight Dimming Control	I	—
5	0.5	WH/BN	6815	Inadvertent Power Control	I	—
6 - 7	—	—	—	Not Occupied	—	—
8	0.5	BK/WH	2550	Ground	I	—
9	0.35	GN/YE	7066	Entertainment Remote Enable Signal	I	—
10	0.5	RD/GN	1540	Battery Positive Voltage	I	—

P22B Video Display - 3rd Row X1 (DNU)



Connector Part Information

Harness Type: Headliner LVDS
OEM Connector: 15535999
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini B USB Type (BK)

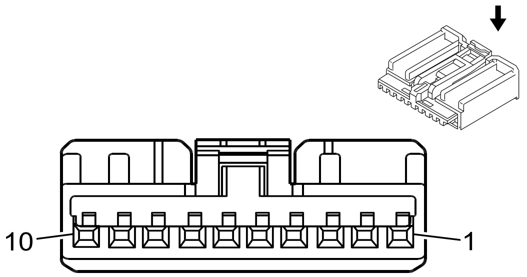
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

P22B Video Display - 3rd Row X1 (DNU)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Infotainment) Infotainment Display Signal	I	—

P22B Video Display - 3rd Row X2



1862242

Connector Part Information

Harness Type: Headliner
OEM Connector: 13631701
Service Connector: 15269796
Description: 10-Way F 0.64 Kaizen Series (GY)

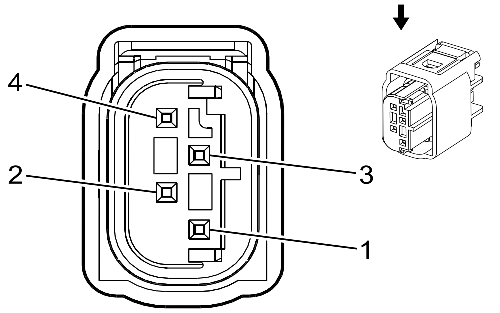
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

P22B Video Display - 3rd Row X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/GN	7558	LED Ambient Lighting Control 2	I	—
2	0.5	BK	1050	Ground	I	—
3	0.5	GY	157	Interior Lamp Control	I	—
4	0.5	YE	6817	LED Backlight Dimming Control	I	—
5	0.5	WH/BN	6815	Inadvertent Power Control	I	—
6 - 7	—	—	—	Not Occupied	—	—
8	0.5	BK/WH	2550	Ground	I	—
9	0.5	GN/YE	7066	Entertainment Remote Enable Signal	I	—
10	0.5	RD/GN	1540	Battery Positive Voltage	I	—

P25 Power Sounder Content Theft Deterrent Alarm Module



2173574

Connector Part Information

Harness Type: Body
OEM Connector: 13679454
Service Connector: 13314098
Description: 4-Way F 0.64 Micro-Quadlock Series, Sealed (BK)

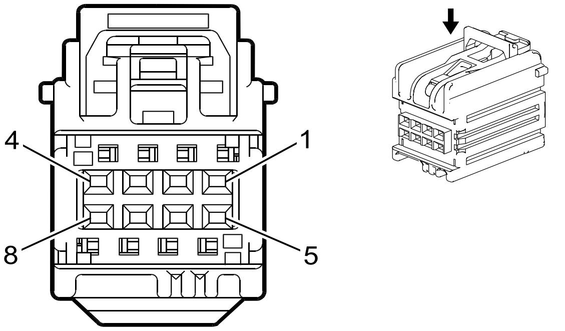
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P25 Power Sounder Content Theft Deterrent Alarm Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	RD/BU	4540	Battery Positive Voltage	I	—
3	0.5	GN/BU	6133	Local Interconnect Network Serial Data Bus 2	I	—
4	0.5	BK	1150	Ground	I	—

P29 Head-Up Display X1



1716517

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13518475
Service Connector: 13576542
Description: 8-Way F YESC Kaizen Series (BK)

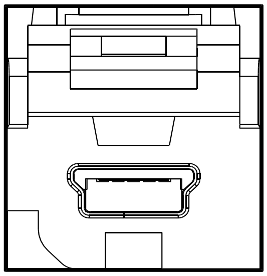
Terminal Part Information

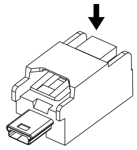
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P29 Head-Up Display X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/BK	3894	Local Interconnect Network Serial Data Bus 12	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	YE/WH	622	Head Up Display Switch Signal	I	—
4	0.35	BK/WH	1851	Signal Ground	I	—
5	—	—	—	Not Occupied	—	—
6	0.5	RD/GY	2840	Battery Positive Voltage	I	—
7	—	—	—	Not Occupied	—	—
8	0.35	BK/GN	5699	Head Up Display Switch Low Reference	I	—

P29 Head-Up Display X2





3214018

Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13584751
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (GY)

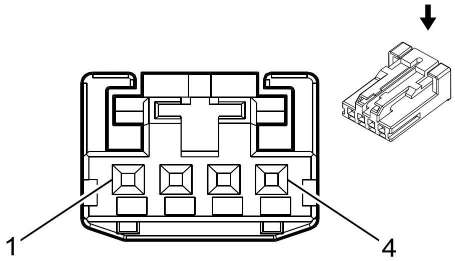
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

P29 Head-Up Display X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	LVDS	—	(Head Up Display) Head Up Display Signal	I	—

P43 Collision Alert Indicators



2717162

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13853727
Service Connector: 19300597
Description: 4-Way F 0.64 Micro-Quadlock Series (BK)

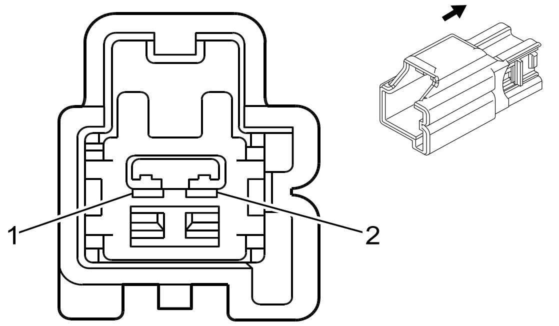
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P43 Collision Alert Indicators

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	I	—
2	0.35	GY/YE	3885	Forward Collision Alert LED Control	I	—
3	0.35	WH/GN	3535	Reflected LED Display Dimming Control	I	—
4	0.35	BK/WH	1851	Signal Ground	I	—

P45LR Seat Haptic Movement Motor - Driver Left Rear



1853532

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7282-6443-40
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.5 Series (L-GY)

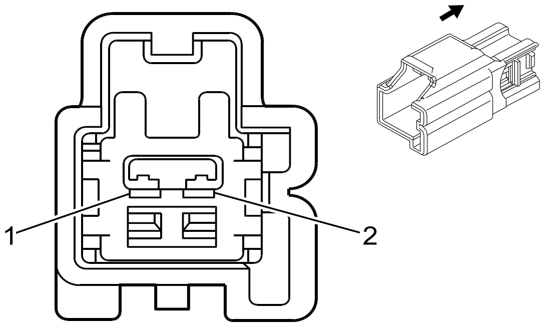
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P45LR Seat Haptic Movement Motor - Driver Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	3037	Left Rear Haptic Seat Motor Control	I	—
2	0.5	BK	1150	Ground	I	—

P45RR Seat Haptic Movement Motor - Driver Right Rear



1853532

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7282-6443-40
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.5 Series (L-GY)

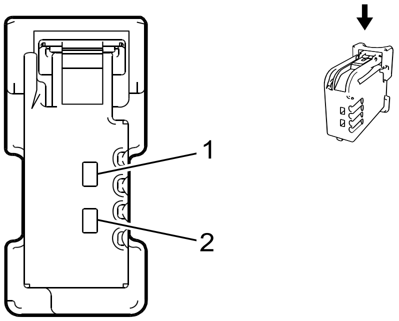
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P45RR Seat Haptic Movement Motor - Driver Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	3038	Right Rear Haptic Seat Motor Control	I	—
2	0.5	BK	1150	Ground	I	—

P50 Emergency Call Backup Speaker



2173599

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13682170
Service Connector: 13505908
Description: 2-Way F 1.5 Series (GN)

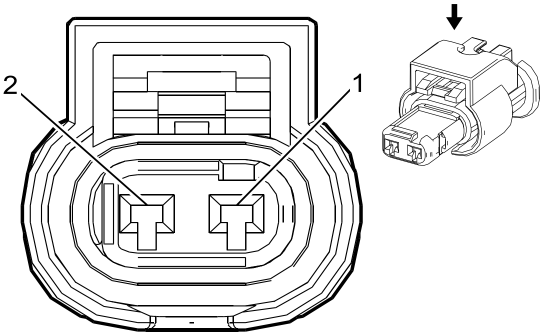
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P50 Emergency Call Backup Speaker

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/BK	1160	External Speaker Signal (-)	I	—
2	0.35	VT/WH	1159	External Speaker Signal (+)	I	—

Q2 A/C Compressor Clutch



2474752

Connector Part Information

Harness Type: Engine
OEM Connector: 13927761
Service Connector: 19300402
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

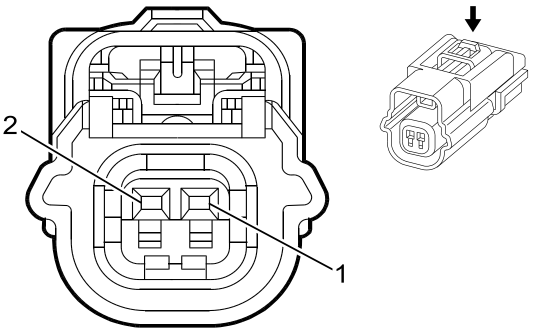
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q2 A/C Compressor Clutch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	550	Ground	I	—
2	0.75	BN/GN	59	A/C Compressor Clutch Control	I	—

Q6 Camshaft Position Actuator Solenoid Valve



1664592

Connector Part Information

Harness Type: Camshaft Position Sensor Jumper
OEM Connector: 13528494
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Kaizen Series, Sealed (BK)

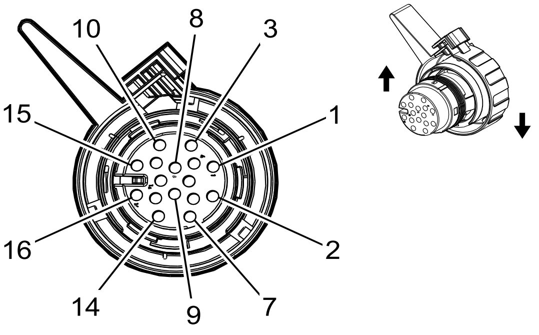
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q6 Camshaft Position Actuator Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/BN	6753	Cam Phaser W Low Reference	I	—
2	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid 1	I	—

Q8 Control Solenoid Valve Assembly X1 (MYC/MYD)



3277917

Connector Part Information

Harness Type: Engine
OEM Connector: 13878751
Service Connector: 19303772
Description: 16-Way F 1.5 Series, Sealed (BK)

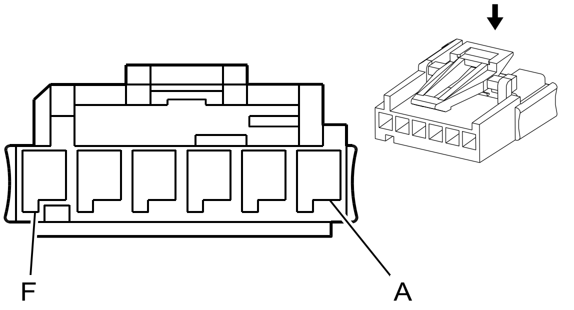
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13578934	J-35616-66 (YE)	J-38125-28	2 21 24 47220 0	Yazaki 12	E	1

Q8 Control Solenoid Valve Assembly X1 (MYC/MYD)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.5	WH/GY	1786	Transmission Park/Neutral Signal 1	I	—
4	0.75	RD/GN	1840	Battery Positive Voltage	I	—
5	0.75	BK/WH	451	Signal Ground	I	—
6 - 8	—	—	—	Not Occupied	—	—
9	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	—
10	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
11	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
12	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	I	—
13	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
14	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
15	—	—	—	Not Occupied	—	—
16	0.5	BN/WH	6354	Output Speed High (Replicated TOS) Input Signal	I	—

Q8 Control Solenoid Valve Assembly X2 (MYC/MYD)



347262

Connector Part Information

Harness Type: Transmission
OEM Connector: 15336500
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 150.2 Metri-Pack Series (L-GN)

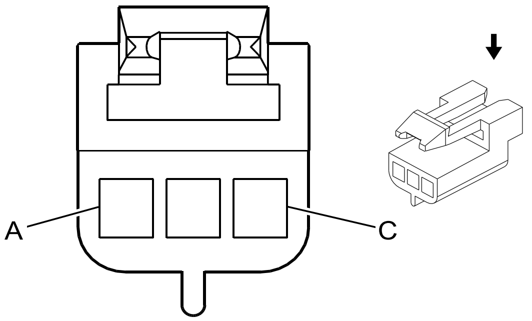
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q8 Control Solenoid Valve Assembly X2 (MYC/MYD)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	GY/	1798	Low Reference	I	—
B	0.35	BK	—	Transmission Range Switch Signal P	I	—
C	0.35	YE	—	Transmission Range Switch Signal C	I	—
D	0.35	RD	—	Transmission Range Switch Signal B	I	—
E	0.35	GN	—	Transmission Range Switch Signal A	I	—
F	0.35	WH/	1786	Transmission Park/Neutral Signal 1	I	—

Q8 Control Solenoid Valve Assembly X3 (MYC/MYD)



130631

Connector Part Information

Harness Type: Transmission
OEM Connector: 12064758
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 150 Metri-Pack Series (BK)

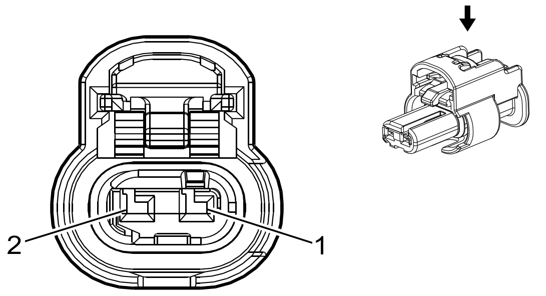
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q8 Control Solenoid Valve Assembly X3 (MYC/MYD)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	GN	—	Input Speed Sensor (ISS) Signal	I	—
B	0.35	RD	—	Reference Voltage	I	—
C	0.35	BK	—	Output Speed Sensor (OSS) Signal	I	—

Q12 Evaporative Emission Purge Solenoid Valve (L83/L86)



4649903

Connector Part Information

Harness Type: Engine
OEM Connector: 33327048
Service Connector: 19366842
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

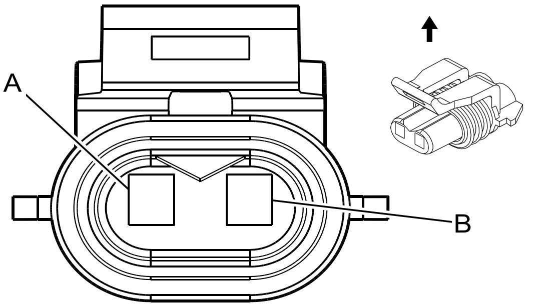
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q12 Evaporative Emission Purge Solenoid Valve (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BU	5293	Powertrain Main Relay Fused Supply 4	I	—
2	0.5	GN/BU	428	EVAP Canister Purge Solenoid Control	I	—

Q12 Evaporative Emission Purge Solenoid Valve (L96)



684829

Connector Part Information

Harness Type: Engine
OEM Connector: 12124037
Service Connector: 13585860
Description: 2-Way F 150 Metri-Pack Series, Sealed (BK)

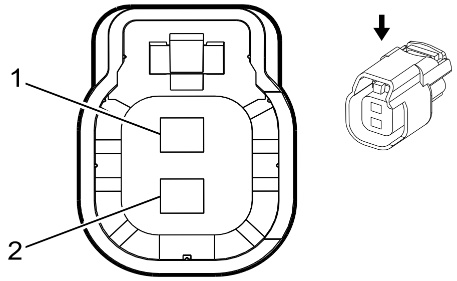
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q12 Evaporative Emission Purge Solenoid Valve (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	VT/BU	5293	Powertrain Main Relay Fused Supply 4	I	—
B	0.5	GN/BU	428	EVAP Canister Purge Solenoid Control	I	—

Q13 Evaporative Emission Vent Solenoid Valve



2422378

Connector Part Information

Harness Type: Chassis
OEM Connector: 13771883
Service Connector: 13579002
Description: 2-Way F 1.5 Series, Sealed (BK)

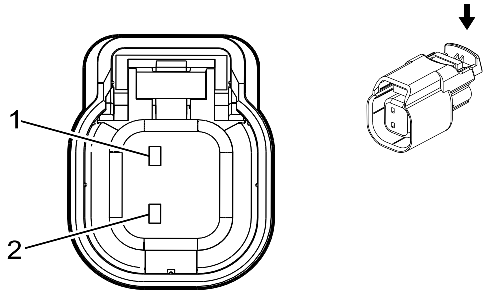
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q13 Evaporative Emission Vent Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	1310	EVAP Canister Vent Solenoid Control	I	—
2	0.5	RD/GN	1840	Battery Positive Voltage	I	—

Q17A Fuel Injector 1 (L83/L86)



2792100

Connector Part Information

Harness Type: Fuel Injector Odd
OEM Connector: 13581410
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

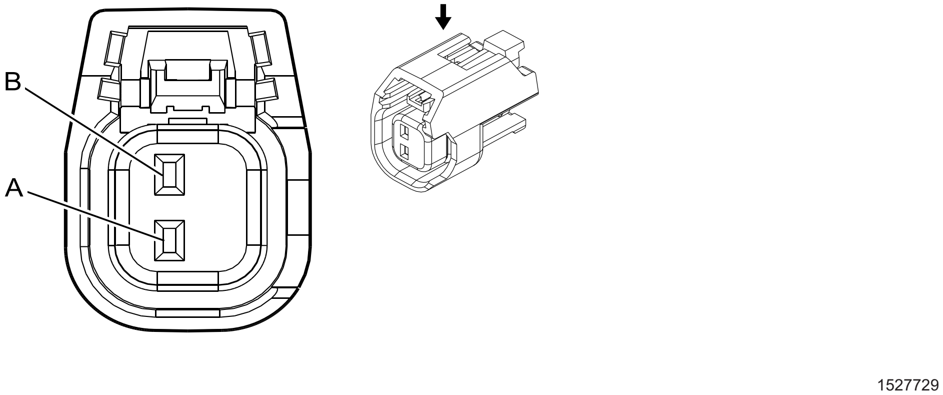
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17A Fuel Injector 1 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	I	—
2	0.75	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	I	—

Q17A Fuel Injector 1 (L96)



Connector Part Information

Harness Type: Engine
OEM Connector: 15419715
Service Connector: 19367557
Description: 2-Way F 150 GT Series, Sealed (GY)

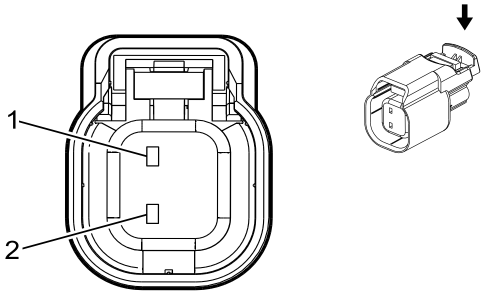
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17A Fuel Injector 1 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/BU	5291	Powertrain Main Relay Fused Supply 2	I	—
B	0.5	GN/YE	1744	Fuel Injector Control 1	I	—

Q17B Fuel Injector 2 (L83/L86)



2792100

Connector Part Information

Harness Type: Fuel Injector Even
OEM Connector: 13581410
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

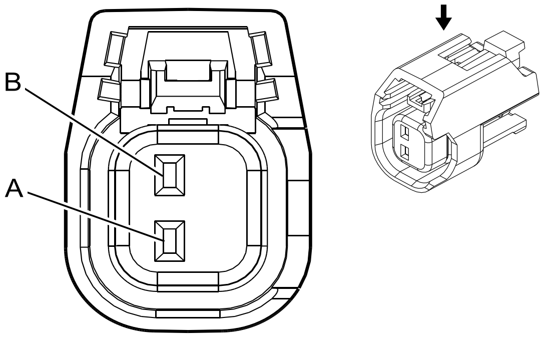
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17B Fuel Injector 2 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BU/GY	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	I	—
2	0.75	BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	I	—

Q17B Fuel Injector 2 (L96)



1527729

Connector Part Information

Harness Type: Engine
OEM Connector: 15419715
Service Connector: 19367557
Description: 2-Way F 150 GT Series, Sealed (GY)

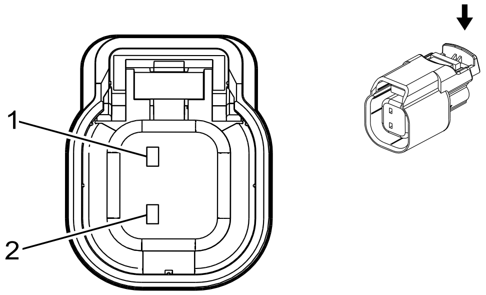
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17B Fuel Injector 2 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/BU	5292	Powertrain Main Relay Fused Supply 3	I	—
B	0.5	YE/WH	1745	Fuel Injector Control 2	I	—

Q17C Fuel Injector 3 (L83/L86)



2792100

Connector Part Information

Harness Type: Fuel Injector Odd
OEM Connector: 13581410
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

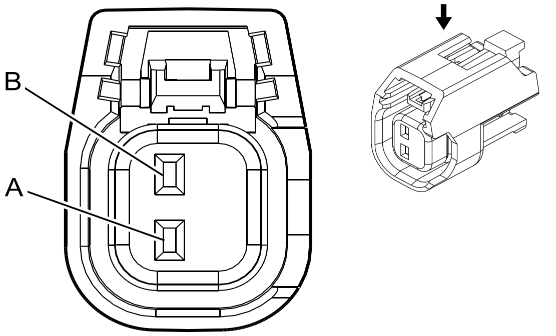
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17C Fuel Injector 3 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GN/BK	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	I	—
2	0.75	GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	I	—

Q17C Fuel Injector 3 (L96)



Connector Part Information

Harness Type: Engine
OEM Connector: 15419715
Service Connector: 19367557
Description: 2-Way F 150 GT Series, Sealed (GY)

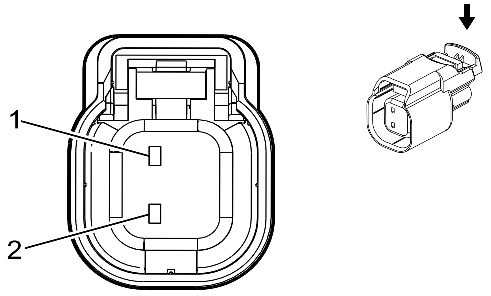
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17C Fuel Injector 3 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/BU	5291	Powertrain Main Relay Fused Supply 2	I	—
B	0.5	BN/VT	1746	Fuel Injector Control 3	I	—

Q17D Fuel Injector 4 (L83/L86)



2792100

Connector Part Information

Harness Type: Fuel Injector Even
OEM Connector: 13581410
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

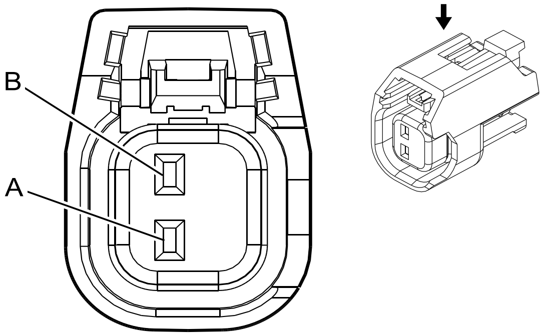
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17D Fuel Injector 4 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	I	—
2	0.75	GY/BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	I	—

Q17D Fuel Injector 4 (L96)



1527729

Connector Part Information

Harness Type: Engine
OEM Connector: 15419715
Service Connector: 19367557
Description: 2-Way F 150 GT Series, Sealed (GY)

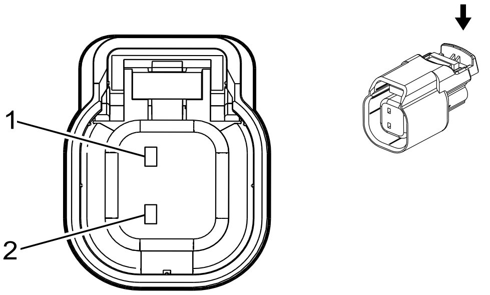
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17D Fuel Injector 4 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/BU	5292	Powertrain Main Relay Fused Supply 3	I	—
B	0.5	BN/YE	844	Fuel Injector Control 4	I	—

Q17E Fuel Injector 5 (L83/L86)



2792100

Connector Part Information

Harness Type: Fuel Injector Odd
OEM Connector: 13581410
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

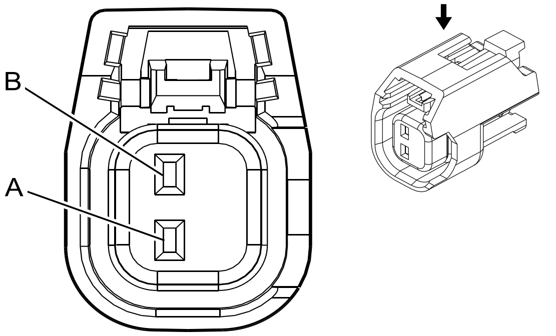
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17E Fuel Injector 5 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GN/WH	4905	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	I	—
2	0.75	WH/GN	4805	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	I	—

Q17E Fuel Injector 5 (L96)



1527729

Connector Part Information

Harness Type: Engine
OEM Connector: 15419715
Service Connector: 19367557
Description: 2-Way F 150 GT Series, Sealed (GY)

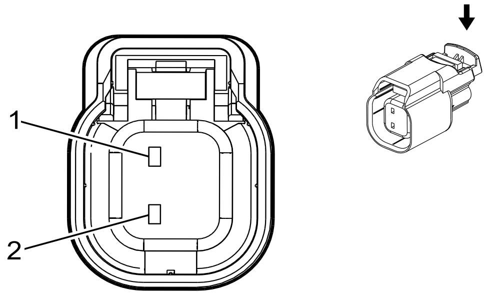
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17E Fuel Injector 5 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	VT/BU	5291	Powertrain Main Relay Fused Supply 2	I	—
B	0.5	BN/GN	845	Fuel Injector Control 5	I	—

Q17F Fuel Injector 6 (L83/L86)



2792100

Connector Part Information

Harness Type: Fuel Injector Even
OEM Connector: 13581410
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

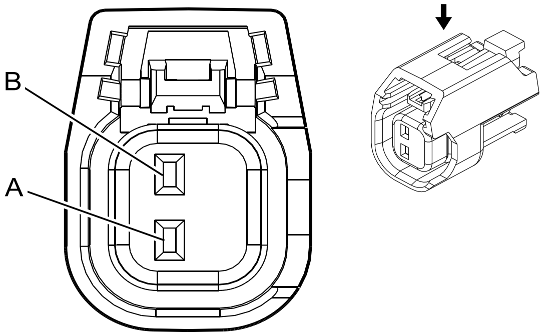
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17F Fuel Injector 6 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/GY	4906	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	I	—
2	0.75	VT/GN	4806	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	I	—

Q17F Fuel Injector 6 (L96)



1527729

Connector Part Information

Harness Type: Engine
OEM Connector: 15419715
Service Connector: 19367557
Description: 2-Way F 150 GT Series, Sealed (GY)

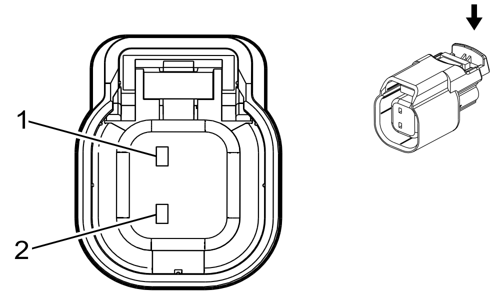
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17F Fuel Injector 6 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	VT/BU	5292	Powertrain Main Relay Fused Supply 3	I	—
B	0.5	BN/BU	846	Fuel Injector Control 6	I	—

Q17G Fuel Injector 7 (L83/L86)



2792100

Connector Part Information

Harness Type: Fuel Injector Odd
OEM Connector: 13581410
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

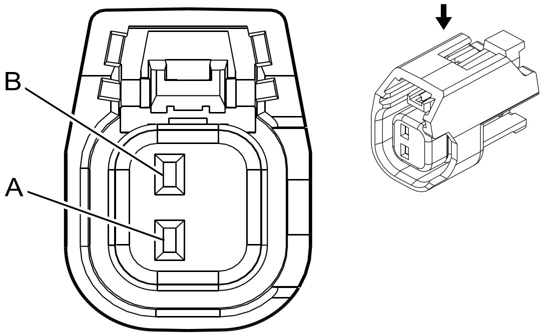
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17G Fuel Injector 7 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/YE	4907	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 7	I	—
2	0.75	YE/GY	4807	Direct Fuel Injector (DFI) High Voltage Control Cylinder 7	I	—

Q17G Fuel Injector 7 (L96)



1527729

Connector Part Information

Harness Type: Engine
OEM Connector: 15419715
Service Connector: 19367557
Description: 2-Way F 150 GT Series, Sealed (GY)

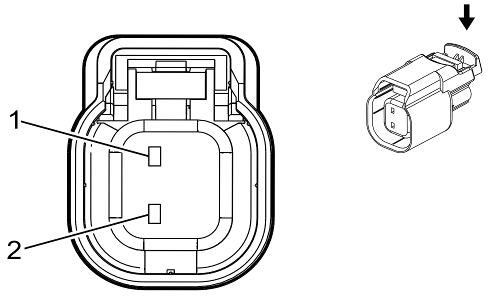
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17G Fuel Injector 7 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	VT/BU	5291	Powertrain Main Relay Fused Supply 2	I	—
B	0.5	BN/VT	877	Fuel Injector Control 7	I	—

Q17H Fuel Injector 8 (L83/L86)



2792100

Connector Part Information

Harness Type: Fuel Injector Even
OEM Connector: 13581410
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

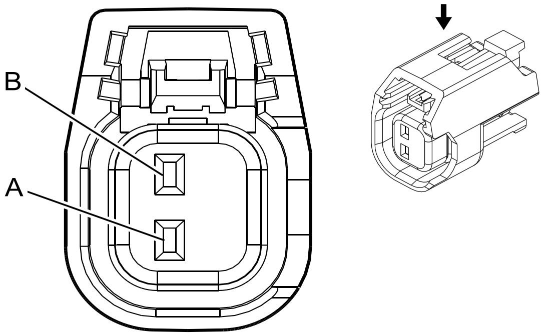
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17H Fuel Injector 8 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY/WH	4908	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 8	I	—
2	0.75	GY	4808	Direct Fuel Injector (DFI) High Voltage Control Cylinder 8	I	—

Q17H Fuel Injector 8 (L96)



1527729

Connector Part Information

Harness Type: Engine
OEM Connector: 15419715
Service Connector: 19367557
Description: 2-Way F 150 GT Series, Sealed (GY)

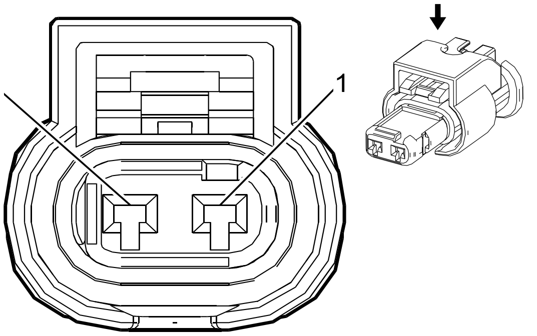
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17H Fuel Injector 8 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	VT/BU	5292	Powertrain Main Relay Fused Supply 3	I	—
B	0.5	BN/GY	878	Fuel Injector Control 8	I	—

Q37LF Shock Absorber Actuator - Left Front



2474752

Connector Part Information

- Harness Type: Chassis
- OEM Connector: 13927761
- Service Connector: 19300402
- Description: 2-Way F 1.2 MCP Series, Sealed (BK)

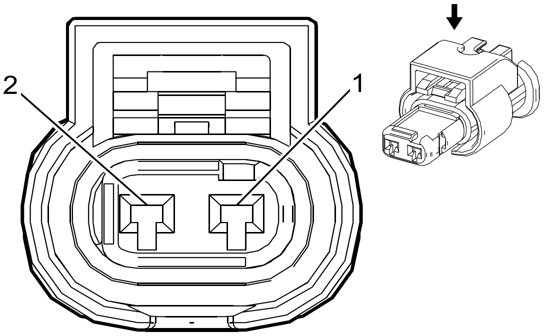
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q37LF Shock Absorber Actuator - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/GY	1448	Left Front Strut Motor Increase Damping Control	I	—
2	0.75	WH/GN	1005	Left Front Strut Motor Decrease Damping Control	I	—

Q37LR Shock Absorber Actuator - Left Rear



2474752

Connector Part Information

Harness Type: Chassis
OEM Connector: 13927761
Service Connector: 19300402
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

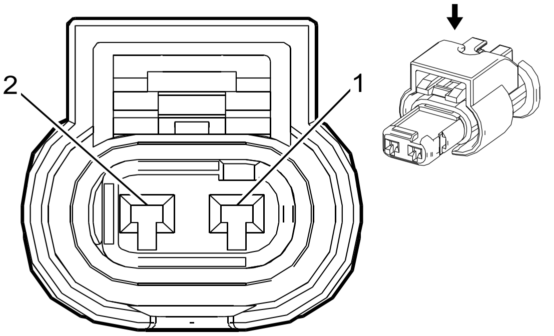
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q37LR Shock Absorber Actuator - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/VT	1010	Left Rear Strut Motor Increase Damping Control	I	—
2	0.75	WH/BK	1013	Left Rear Strut Motor Decrease Damping Control	I	—

Q37RF Shock Absorber Actuator - Right Front



2474752

Connector Part Information

Harness Type: Chassis
OEM Connector: 13927761
Service Connector: 19300402
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

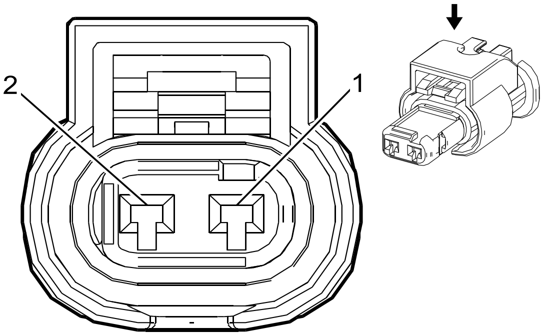
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q37RF Shock Absorber Actuator - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/BK	1006	Right Front Strut Motor Increase Damping Control	I	—
2	0.75	BN	1009	Right Front Strut Motor Decrease Damping Control	I	—

Q37RR Shock Absorber Actuator - Right Rear



2474752

Connector Part Information

Harness Type: Chassis
OEM Connector: 13927761
Service Connector: 19300402
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

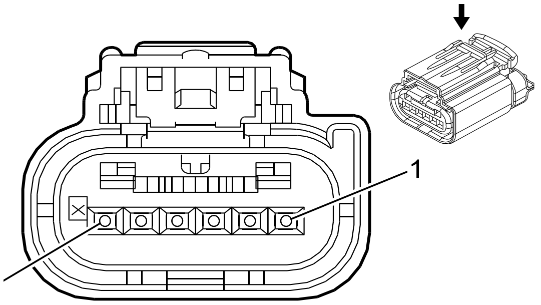
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q37RR Shock Absorber Actuator - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE	1014	Right Rear Strut Motor Increase Damping Control	I	—
2	0.75	VT	1017	Right Rear Strut Motor Decrease Damping Control	I	—

Q38 Throttle Body (L83/L86)



2482433

Connector Part Information

Harness Type: Engine
OEM Connector: 13699991
Service Connector: 13581267
Description: 6-Way F 0.64 GET Series, Sealed (BK)

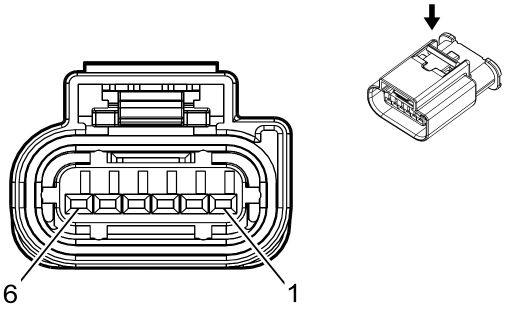
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q38 Throttle Body (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	581	Throttle Actuator Control Open	I	—
2	0.5	BN/WH	582	Throttle Actuator Control Close	I	—
3	0.5	BU/WH	3630	Throttle Position Sensor (SENT1) Signal	I	—
4	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	—
5	0.5	BN/RD	2701	Throttle Position Sensor 5V Reference	I	—
6	—	—	—	Not Occupied	—	—

Q38 Throttle Body (L96)



3747579

Connector Part Information

Harness Type: Engine
OEM Connector: 33220833
Service Connector: 19352911
Description: 6-Way F 1.2 MCON Series, Sealed (BK)

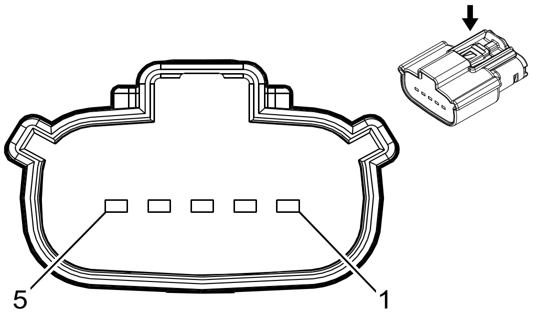
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q38 Throttle Body (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	581	Throttle Actuator Control Open	I	—
2	0.5	BN/WH	582	Throttle Actuator Control Close	I	—
3	0.5	BU/WH	3630	Throttle Position Sensor (SENT1) Signal	I	—
4	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	—
5	0.5	BN/YE	2701	Throttle Position Sensor 5V Reference	I	—
6	—	—	—	Not Occupied	—	—

Q43 Valve Lifter Oil Manifold Assembly



3240108

Connector Part Information

Harness Type: Engine
OEM Connector: 13845946
Service Connector: 19301719
Description: 5-Way F 150 MX Series, Sealed (BK)

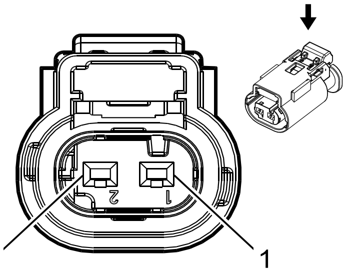
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q43 Valve Lifter Oil Manifold Assembly

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BU	5494	Cylinder Shutoff Solenoid Control 4	I	—
2	0.5	GY	5493	Cylinder Shutoff Solenoid Control 3	I	—
3	0.5	BU	5491	Cylinder Shutoff Solenoid Control 1	I	—
4	0.75	VT/BU	5293	Powertrain Main Relay Fused Supply 4	I	—
5	0.5	GN	5492	Cylinder Shutoff Solenoid Control 2	I	—

Q44 Engine Oil Pressure Control Solenoid Valve



2717066

Connector Part Information

Harness Type: Camshaft Position Sensor Jumper
OEM Connector: 13735326
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 Multilock Series, Sealed (BK)

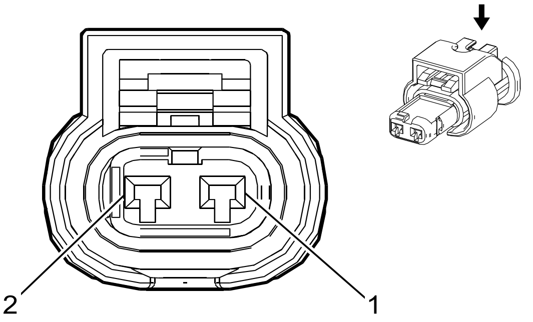
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q44 Engine Oil Pressure Control Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BU	5293	Powertrain Main Relay Fused Supply 4	I	—
2	0.5	BU	179	Oil Pump Command Signal	I	—

Q46 A/C Compressor Solenoid Valve



2851901

Connector Part Information

Harness Type: Engine
OEM Connector: 13927762
Service Connector: 19299928
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

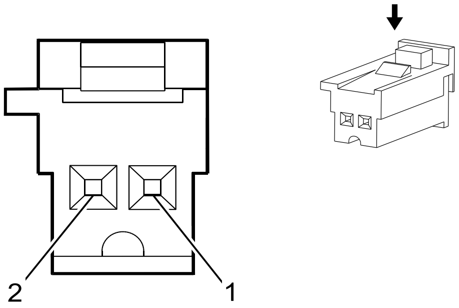
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q46 A/C Compressor Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BU/YE	7574	Electric Variable Displacement Control	I	—
2	0.75	BU/BN	7573	Electric Variable Displacement Supply	I	—

Q77A Transmission Control Solenoid Valve 1 (M5U)



4051391

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 13956948
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 MTS Series (VT)

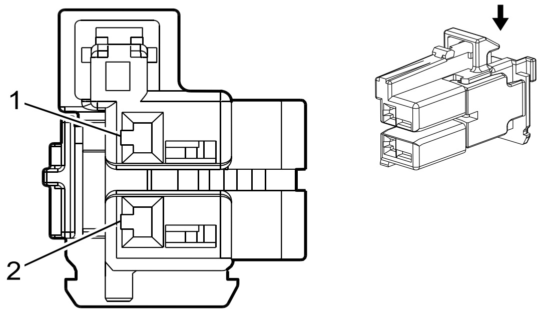
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77A Transmission Control Solenoid Valve 1 (M5U)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	6400	Clutch A Control	I	—
2	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—

Q77A Transmission Control Solenoid Valve 1 (MF6)



4672650

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 2289523-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCON Series (BN)

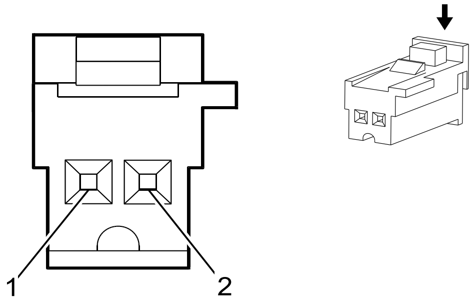
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77A Transmission Control Solenoid Valve 1 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BU/GN	6388	Transmission High Side Driver 2 Signal	I	—
2	—	BU/GN	6400	Clutch A Control	I	—

Q77B Transmission Control Solenoid Valve 2 (M5U)



4008644

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 13941672
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 MTS Series (GY)

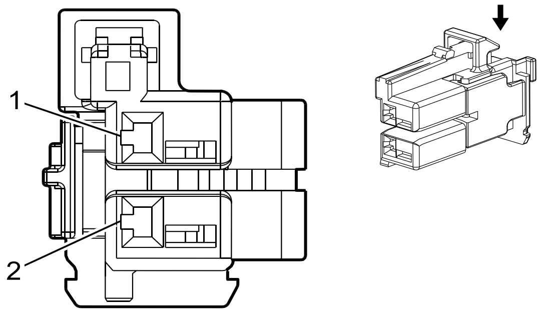
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77B Transmission Control Solenoid Valve 2 (M5U)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU	6401	Clutch B Control	I	—
2	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—

Q77B Transmission Control Solenoid Valve 2 (MF6)



4672650

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 2289523-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCON Series (BN)

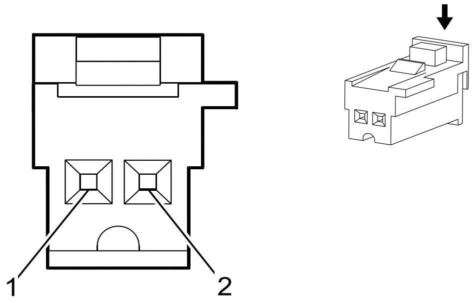
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77B Transmission Control Solenoid Valve 2 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BU/GN	6388	Transmission High Side Driver 2 Signal	I	—
2	—	GN/BN	6401	Clutch B Control	I	—

Q77C Transmission Control Solenoid Valve 3 (M5U)



Connector Part Information

Harness Type: Transmission Control
OEM Connector: 13941672
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 MTS Series (GY)

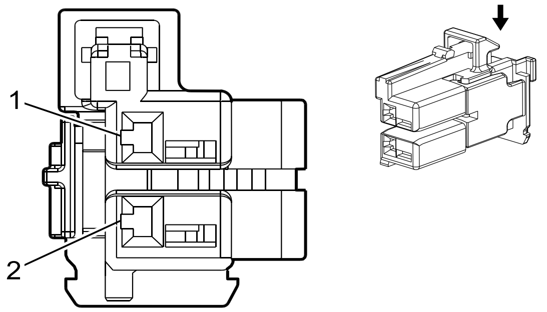
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77C Transmission Control Solenoid Valve 3 (M5U)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY	6402	Clutch C Control	I	—
2	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—

Q77C Transmission Control Solenoid Valve 3 (MF6)



4672650

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 2289523-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCON Series (BN)

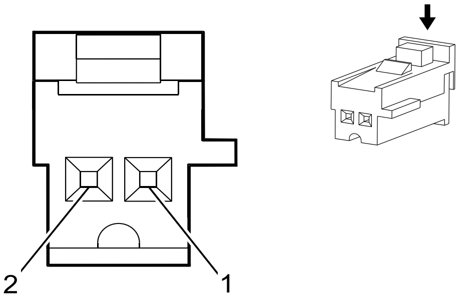
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77C Transmission Control Solenoid Valve 3 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BU/GN	6388	Transmission High Side Driver 2 Signal	I	—
2	—	GY/OG	6402	Clutch C Control	I	—

Q77D Transmission Control Solenoid Valve 4 (M5U)



4008636

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 13947283
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 MTS Series (NA)

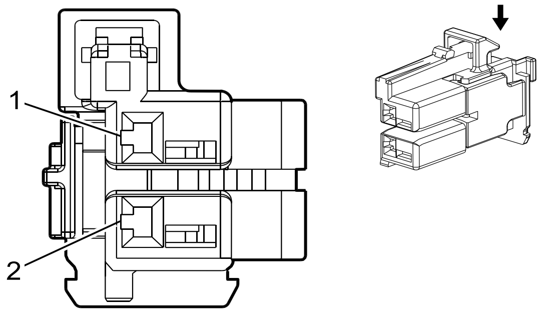
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77D Transmission Control Solenoid Valve 4 (M5U)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	4508	Transmission Clutch G Control	I	—
2	0.5	GN/GY	6387	Transmission High Side Driver 1 Signal Driver	I	—

Q77D Transmission Control Solenoid Valve 4 (MF6)



4672650

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 2289523-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCON Series (BN)

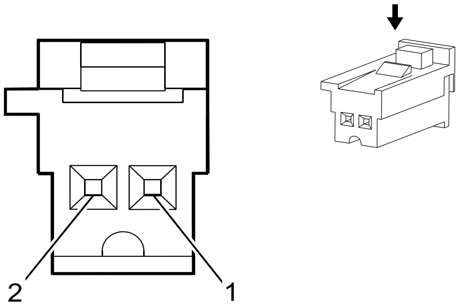
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77D Transmission Control Solenoid Valve 4 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BU/GN	6388	Transmission High Side Driver 2 Signal	I	—
2	—	BN/WH	6404	Clutch E Control	I	—

Q77E Transmission Control Solenoid Valve 5 (M5U)



4051391

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 13956948
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 MTS Series (VT)

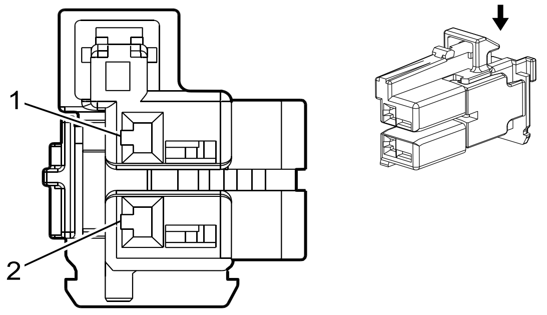
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77E Transmission Control Solenoid Valve 5 (M5U)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BU	4507	Transmission Clutch H Control	I	—
2	0.5	GN/GY	6387	Transmission High Side Driver 1 Signal Driver	I	—

Q77E Transmission Control Solenoid Valve 5 (MF6)



4672650

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 2289523-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCON Series (BN)

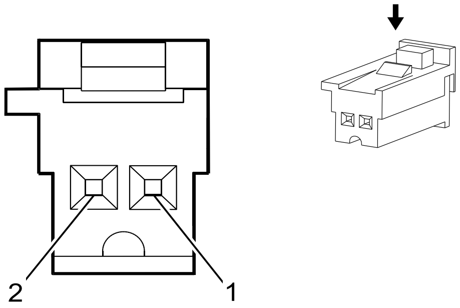
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77E Transmission Control Solenoid Valve 5 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BU/GN	6388	Transmission High Side Driver 2 Signal	I	—
2	—	YE/VT	6403	Clutch D Control	I	—

Q77F Transmission Control Solenoid Valve 6 (M5U)



4051391

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 13956948
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 MTS Series (VT)

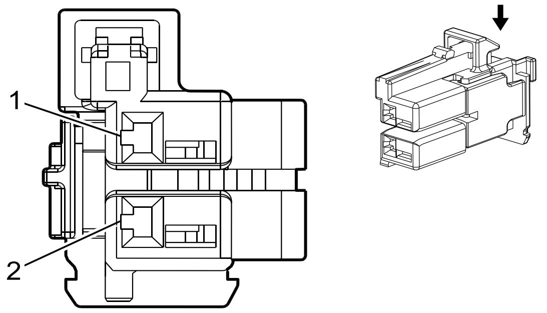
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77F Transmission Control Solenoid Valve 6 (M5U)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/GN	6403	Clutch D Control	I	—
2	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—

Q77F Transmission Control Solenoid Valve 6 (MF6)



Connector Part Information

Harness Type: Transmission Control
OEM Connector: 2289523-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCON Series (BN)

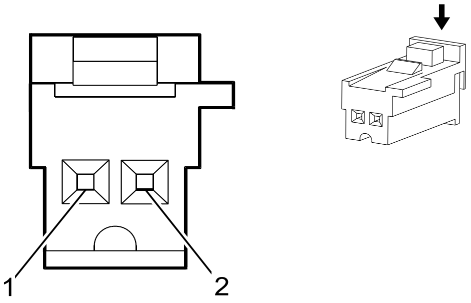
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77F Transmission Control Solenoid Valve 6 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BU/GN	6388	Transmission High Side Driver 2 Signal	I	—
2	—	BU/GY	4509	Transmission Clutch F Control	I	—

Q77G Transmission Control Solenoid Valve 7 (M5U)



4008644

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 13941672
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 MTS Series (GY)

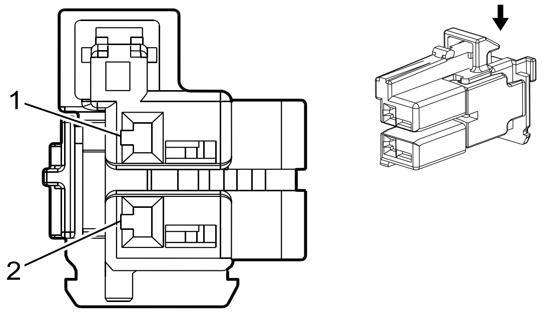
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77G Transmission Control Solenoid Valve 7 (M5U)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	6404	Clutch E Control	I	—
2	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—

Q77G Transmission Control Solenoid Valve 7 (MF6)



4672650

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 2289523-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCON Series (BN)

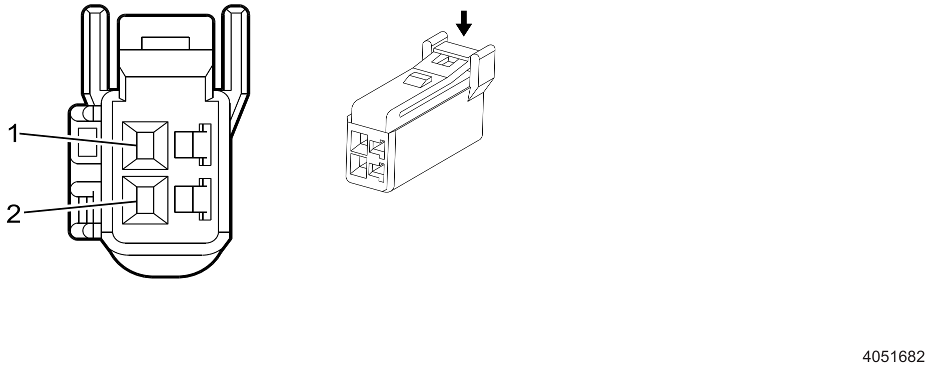
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77G Transmission Control Solenoid Valve 7 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BN	6387	Transmission High Side Driver 1 Signal Driver	I	—
2	—	GN/OG	4508	Transmission Clutch G Control	I	—

Q77H Transmission Control Solenoid Valve 8 (M5U)



Connector Part Information

Harness Type: Transmission Control
OEM Connector: 7287-0122
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 040 III Series (NA)

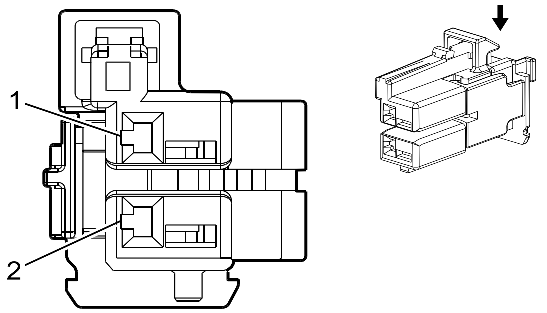
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77H Transmission Control Solenoid Valve 8 (M5U)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/WH	6380	TCC On/Off Solenoid A Control	I	—
2	0.5	GN/GY	6387	Transmission High Side Driver 1 Signal Driver	I	—

Q77H Transmission Control Solenoid Valve 8 (MF6)



4672683

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 2289523-3
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCON Series (GN)

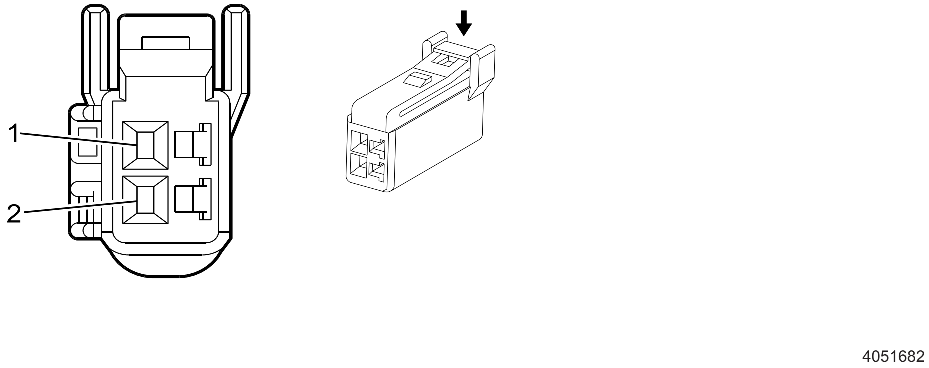
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77H Transmission Control Solenoid Valve 8 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BN	6387	Transmission High Side Driver 1 Signal Driver	I	—
2	—	GY/BN	4507	Transmission Clutch H Control	I	—

Q77J Transmission Control Solenoid Valve 9 (M5U)



Connector Part Information

Harness Type: Transmission Control
OEM Connector: 7287-0122
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 040 III Series (NA)

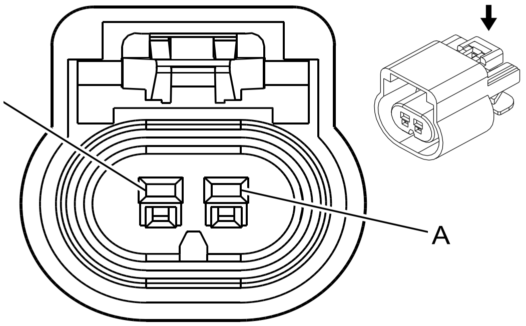
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77J Transmission Control Solenoid Valve 9 (M5U)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	6210	TCC On/Off Solenoid B Control	I	—
2	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—

R6A Terminating Resistor - High Speed Bus



523630

Connector Part Information

Harness Type: Chassis
OEM Connector: 13510085
Service Connector: 13580114
Description: 2-Way F 150 GT Series, Sealed (BK)

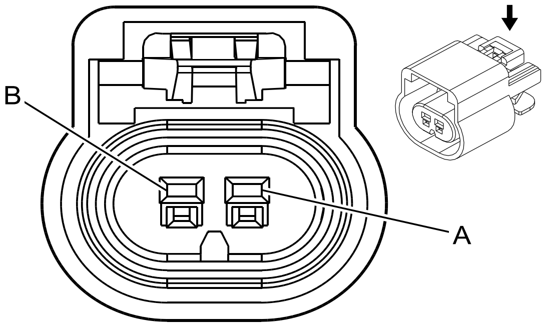
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

R6A Terminating Resistor - High Speed Bus

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
B	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—

R6E Terminating Resistor - High Speed Extension Bus 1 (UHX/UDV)



523630

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13510085
Service Connector: 13580114
Description: 2-Way F 150 GT Series, Sealed (BK)

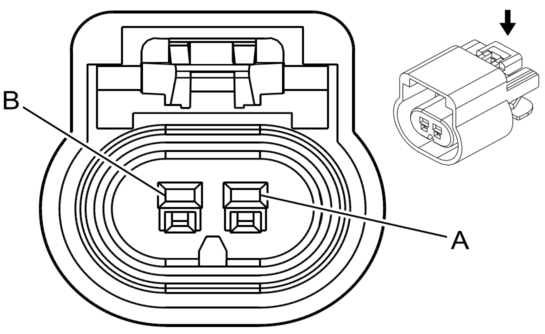
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

R6E Terminating Resistor - High Speed Extension Bus 1 (UHX/UDV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BU/GY	3935	High Speed GMLAN Serial Data (+) 8	I	—
B	0.5	WH/GY	3936	High Speed GMLAN Serial Data (-) 8	I	—

R6E Terminating Resistor - High Speed Extension Bus 1 (Z75+UGN)



523630

Connector Part Information

Harness Type: Body
OEM Connector: 13510085
Service Connector: 13580114
Description: 2-Way F 150 GT Series, Sealed (BK)

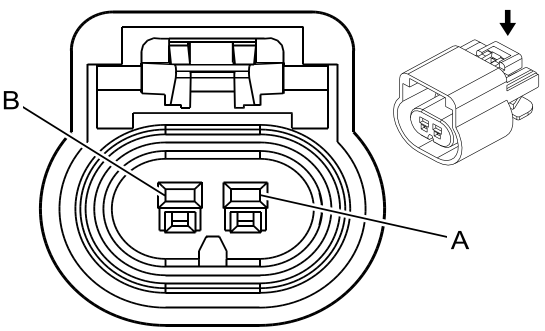
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

R6E Terminating Resistor - High Speed Extension Bus 1 (Z75+UGN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BU/GY	3935	High Speed GMLAN Serial Data (+) 8	I	—
B	0.5	WH/GY	3936	High Speed GMLAN Serial Data (-) 8	I	—

R6F Terminating Resistor - High Speed Extension Bus 2



523630

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13510085
Service Connector: 13580114
Description: 2-Way F 150 GT Series, Sealed (BK)

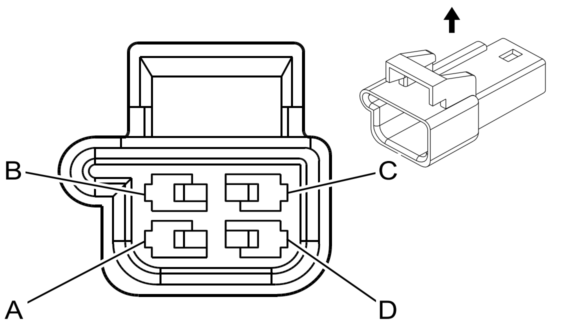
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

R6F Terminating Resistor - High Speed Extension Bus 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BU/GN	1304	High Speed GMLAN Serial Data (+)9	I	—
B	0.5	WH/GN	1305	High Speed GMLAN Serial Data (-)9	I	—

S3 Transmission Shift Lever



40399

Connector Part Information

Harness Type: Steering Column
OEM Connector: 12064761
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 150 Metri-Pack Series (BK)

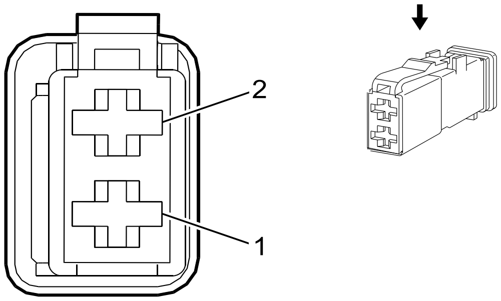
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S3 Transmission Shift Lever

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BK/WH	1851	Signal Ground	I	—
B	0.35	BU/GY	553	Shift Select Switch Performance Signal	I	—
C	0.35	BK/WH	1851	Signal Ground	I	—
D	0.35	VT/YE	5526	Tap Up/Tap Down Switch Signal	I	—

S5 Center Console Compartment Lamp Switch



1974969

Connector Part Information

Harness Type: Floor Console
OEM Connector: 10787635
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 Timer Series (NA)

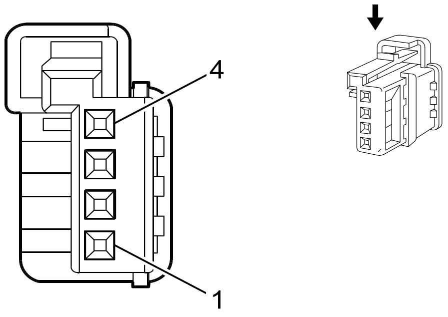
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S5 Center Console Compartment Lamp Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BN	6815	Inadvertent Power Control	I	—
2	0.5	WH/BN	6815	Inadvertent Power Control	I	—

S12 Dome Lamp Switch



2667612

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 13862319
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Micro-Quadlock Series (BN)

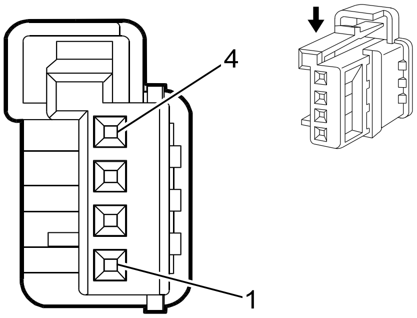
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S12 Dome Lamp Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	1050	Ground	I	—
2	0.35	GY/GN	328	Interior Lamp Defeat Switch Signal	I	—
3	0.35	GY	156	Courtesy Lamp Switch Signal	I	—
4	0.35	YE	6817	LED Backlight Dimming Control	I	—

S13D Door Lock Switch - Driver (X88/Z88)



2173576

Connector Part Information

Harness Type: Driver Door Trim
OEM Connector: 13597457
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Micro-Quadlock Series (WH)

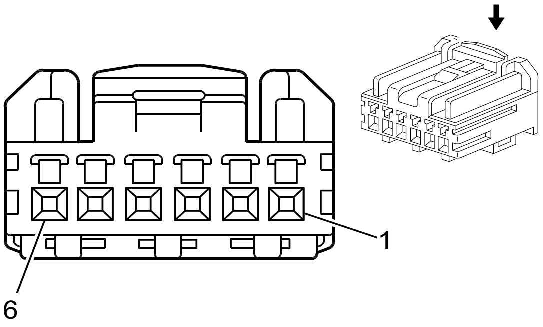
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S13D Door Lock Switch - Driver (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	—
2	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	I	—
3	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	I	—
4	0.35	BK	1150	Ground	I	—

S13D Door Lock Switch - Driver (Z75)



3681331

Connector Part Information

Harness Type: Driver Door Trim
OEM Connector: 15484551
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 HCM Series (BK)

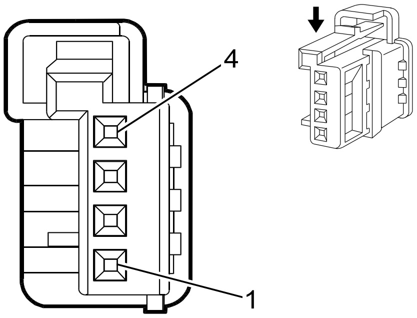
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S13D Door Lock Switch - Driver (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	—
2	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	I	—
3	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	I	—
4	0.35	BK	1150	Ground	I	—
5 - 6	—	—	—	Not Occupied	—	—

S13P Door Lock Switch - Passenger (X88/Z88)



2173576

Connector Part Information

Harness Type: Passenger Door Trim
OEM Connector: 13597457
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Micro-Quadlock Series (WH)

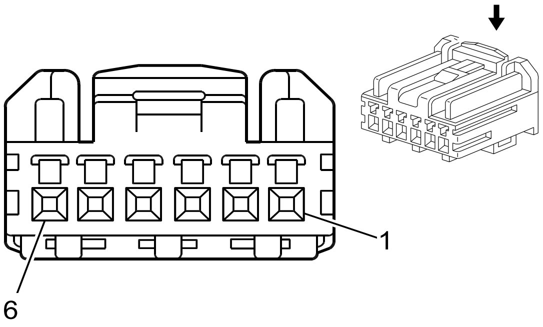
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S13P Door Lock Switch - Passenger (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	—
2	0.35	YE/VT	244	Passenger Door Lock Switch Lock Control	I	—
3	0.35	BN/VT	245	Passenger Door Lock Switch Unlock Control	I	—
4	0.35	BK	1250	Ground	I	—

S13P Door Lock Switch - Passenger (Z75)



3681331

Connector Part Information

Harness Type: Passenger Door Trim
OEM Connector: 15484551
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 HCM Series (BK)

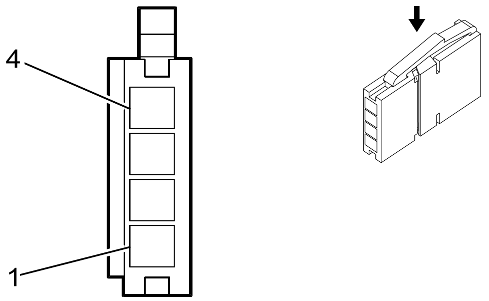
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S13P Door Lock Switch - Passenger (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	—
2	0.35	YE/VT	244	Passenger Door Lock Switch Lock Control	I	—
3	0.35	BN/VT	245	Passenger Door Lock Switch Unlock Control	I	—
4	0.35	BK	1250	Ground	I	—
5 - 6	—	—	—	Not Occupied	—	—

S25 Garage Door Opener



2904465

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 13879342
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F f13601803 (BK)

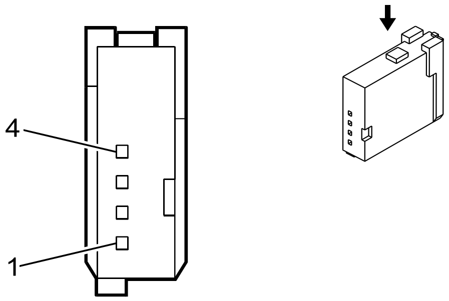
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S25 Garage Door Opener

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/YE	240	Battery Positive Voltage	I	—
2	0.35	YE	6817	LED Backlight Dimming Control	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	BK	1050	Ground	I	—

S27 Head-Up Display Switch



2831061

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13820711
Service Connector: 19300398
Description: 4-Way F 0.64 Series (BK)

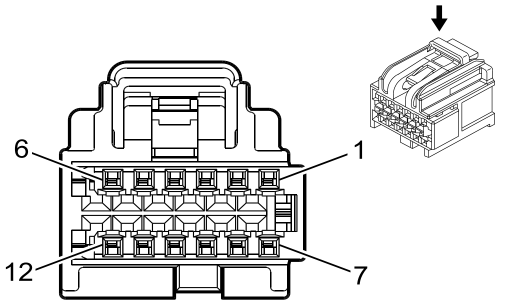
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S27 Head-Up Display Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	6817	LED Backlight Dimming Control	I	—
2	0.35	BK/WH	1851	Signal Ground	I	—
3	0.35	BK/GN	5699	Head Up Display Switch Low Reference	I	—
4	0.35	YE/WH	622	Head Up Display Switch Signal	I	—

S30 Headlamp Switch



2717156

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13782625
Service Connector: 19301730
Description: 12-Way F 0.64 Series (BK)

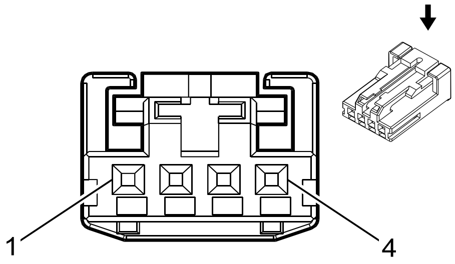
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300660	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

S30 Headlamp Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/VT	103	Headlamp Switch On Signal	I	—
2	0.5	YE	6817	LED Backlight Dimming Control	I	—
3	0.35	GN/BN	306	Headlamp Switch Headlamps Off Signal Control	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	GN/GY	13	Headlamp Switch Park Lamp Signal	I	—
6	0.35	BU/GY	187	Rear Fog Lamp Switch Signal	I	—
7	0.35	BK/YE	5005	Instrument Panel Lamp Dimmer Switch Low Reference	I	—
8	0.75	BK	1850	Ground	I	—
9	—	—	—	Not Occupied	—	—
10	0.35	BU/GY	192	Front Fog Lamp Switch Signal	I	—
11	0.35	YE/GY	44	Instrument Panel Lamp Dimmer Switch Signal	I	—
12	0.35	BU/RD	1688	5V Reference	I	—

S31D Seat Heating and Cooling Switch - Driver



2717162

Connector Part Information

Harness Type: Floor Console Extension
OEM Connector: 13853727
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Micro-Quadlock Series (BK)

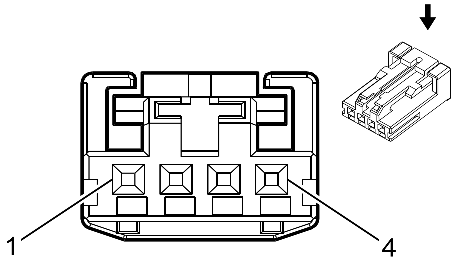
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S31D Seat Heating and Cooling Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/GY	2840	Battery Positive Voltage	I	—
2	0.35	GN/WH	7527	Local Interconnect Network Serial Data Bus 5	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	BK	1850	Ground	I	—

S31P Seat Heating and Cooling Switch - Passenger



2717162

Connector Part Information

Harness Type: Floor Console Extension
OEM Connector: 13853727
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Micro-Quadlock Series (BK)

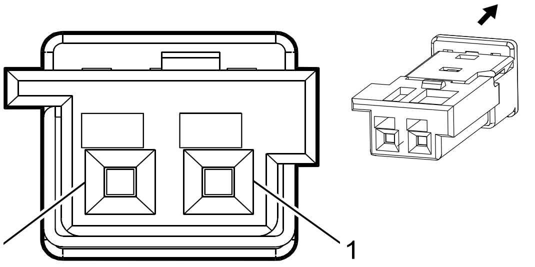
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S31P Seat Heating and Cooling Switch - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1850	Ground	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	GN/WH	7527	Local Interconnect Network Serial Data Bus 5	I	—
4	0.35	RD/GY	2840	Battery Positive Voltage	I	—

S33 Horn Switch



2335285

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13235945
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Micro-Quadlock Series (BK)

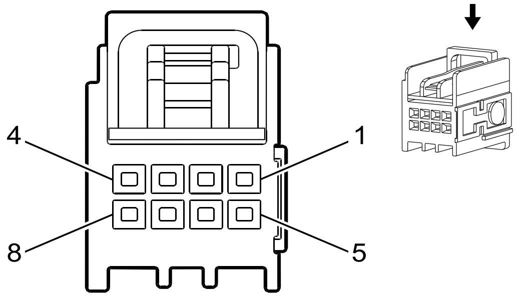
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S33 Horn Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/WH	3287	Horn Switch Signal	I	—
2	0.35	BK	1050	Ground	I	—

S38 Ignition Mode Switch



2180202

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 10890122
Service Connector: 13576543
Description: 8-Way F 0.64 Series (BK)

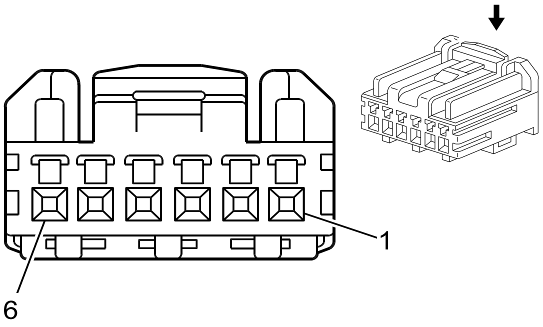
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S38 Ignition Mode Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.35	BN/BK	5720	Ignition Mode Switch Accessory LED Signal	I	—
3	0.35	GN/BK	3558	Passive Start Switch Signal 2	I	—
4	0.35	BK/WH	1851	Signal Ground	I	—
5	0.35	BU/BK	5719	Ignition Mode Switch Start LED Signal	I	—
6	0.35	BU/GN	5723	Ignition Mode Switch Mode Voltage	I	—
7	0.35	BK/GY	3559	Passive Start Switch 2 Low Reference	I	—
8	0.35	YE	6817	LED Backlight Dimming Control	I	—

S39 Ignition Switch (-BTM)



3681331

Connector Part Information

Harness Type: Steering Column
OEM Connector: 19153361
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 HCM Series (BK)

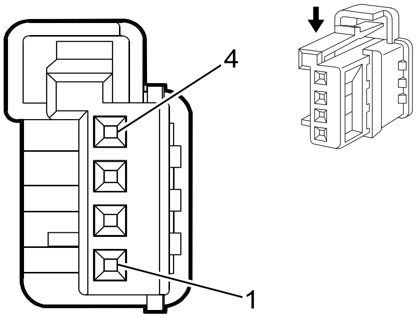
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S39 Ignition Switch (-BTM)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	VT/BK	3	Run/Crank Ignition 1 Voltage	I	—
3	0.5	VT/YE	4	Accessory Ignition Voltage	I	—
4	0.35	RD/BU	540	Battery Positive Voltage	I	—
5	0.5	WH/VT	1020	Off/Run/Crank Ignition Voltage	I	—
6	0.5	WH/BK	1073	Ignition Key Resistor Signal	I	—

S43 Content Theft Deterrent Sensor Disable Switch



2173576

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 10866875
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Micro-Quadlock Series (BU)

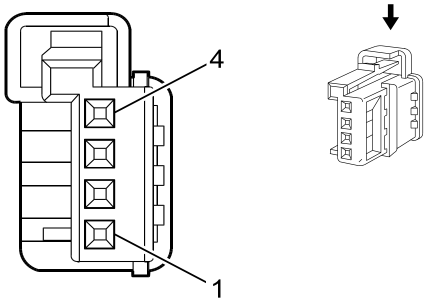
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S43 Content Theft Deterrent Sensor Disable Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/BK	5068	Intrusion Sensor Switch Disable Signal	I	—
2	0.35	BK	1050	Ground	I	—
3	0.35	YE	6817	LED Backlight Dimming Control	I	—
4	0.35	YE/BU	3278	Intrusion Sensor Switch LED Control	I	—

S45B Liftgate Control Switch - Interior



2179793

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 10768790
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Micro-Quadlock Series (BK)

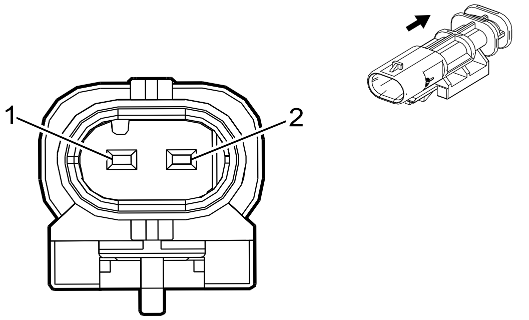
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S45B Liftgate Control Switch - Interior

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1050	Ground	I	—
2	0.5	YE	6817	LED Backlight Dimming Control	I	—
3	0.35	GN	6112	Power Lift Gate On/Off Switch Signal	I	—
4	0.35	GY/BK	6113	Rear Lift Gate Open/Close Switch Signal	I	—

S46 Liftgate Handle Switch



2474755

Connector Part Information

Harness Type: Liftgate
OEM Connector: 13788295
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.2 Multilock Series, Sealed (BK)

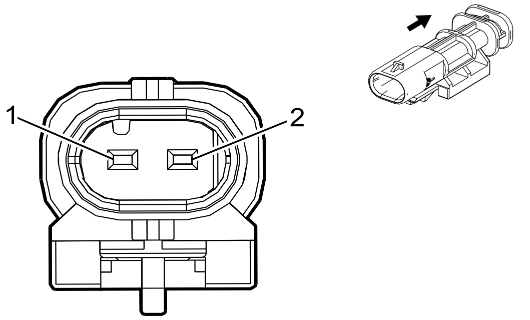
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S46 Liftgate Handle Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE/BU	5797	Rear Closure Handle Switch Open Signal	I	TB4
	0.35	BK/VT	5801	Lift Gate Object Sensor Low Reference	I	TB5
2	0.35	BK	1450	Ground	I	TB4
	0.35	YE/BU	5797	Rear Closure Handle Switch Open Signal	I	TB5

S46B Liftgate Unlatch Switch



2474755

Connector Part Information

Harness Type: Liftgate
OEM Connector: 13788295
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.2 Multilock Series, Sealed (BK)

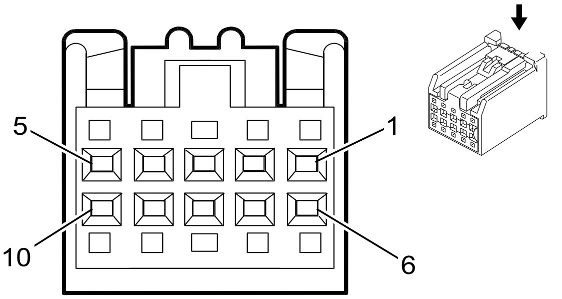
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S46B Liftgate Unlatch Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE/BU	5797	Rear Closure Handle Switch Open Signal	I	TB4
	0.35	BK/VT	5801	Lift Gate Object Sensor Low Reference	I	TB5
2	0.35	BK	1450	Ground	I	TB4
	0.35	YE/BU	5797	Rear Closure Handle Switch Open Signal	I	TB5

S47D Seat Memory Switch - Driver



2180211

Connector Part Information

Harness Type: Driver Door Trim
OEM Connector: 13815336
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 Kaizen Series (BK)

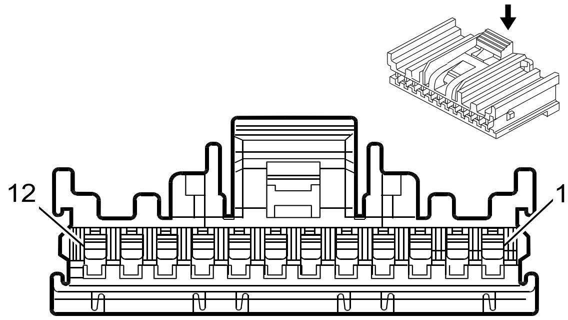
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S47D Seat Memory Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/BU	5978	Memory Switch Low Reference	I	—
2	0.35	YE	6817	LED Backlight Dimming Control	I	—
3 - 4	—	—	—	Not Occupied	—	—
5	0.35	BU/GN	614	Memory Seat Switch Set Signal	I	—
6	0.35	WH	615	Memory Seat Switch Signal 1	I	—
7 - 10	—	—	—	Not Occupied	—	—

S48A Multifunction Switch - Instrument Panel



1710983

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15499371
Service Connector: 19115105
Description: 12-Way F 0.64 Kaizen Series (BK)

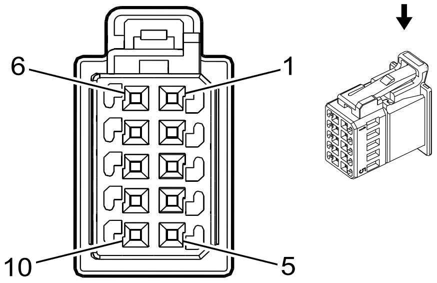
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

S48A Multifunction Switch - Instrument Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.35	BU/VT	1788	Traction Control Switch Signal 1	I	—
3	0.35	GY/GN	2555	Rear Park Assist Disable Signal	I	—
4	0.35	GN/BN	5852	Rear Park Assist LED Disable Signal	I	—
5	0.35	WH	6816	Indicator Dimming Control	I	—
6	0.35	WH	3152	Lane Departure Warning Indicator Control	I	—
7	0.35	YE	6817	LED Backlight Dimming Control	I	—
8	0.75	BK	1850	Ground	I	—
9	0.35	BU/YE	6844	ABS/TCS Hill Descent Control Switch Signal	I	—
10	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	I	—
11	0.35	GN/GY	5286	Adjustable Pedal Switch Forward Signal	I	—
12	0.35	WH/GY	5285	Adjustable Pedal Switch Rearward Signal	I	—

S48C Multifunction Switch 1 - Instrument Panel



2830955

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13650061
Service Connector: 19299776
Description: 10-Way F 0.64 Micro-Quadlock Series (BK)

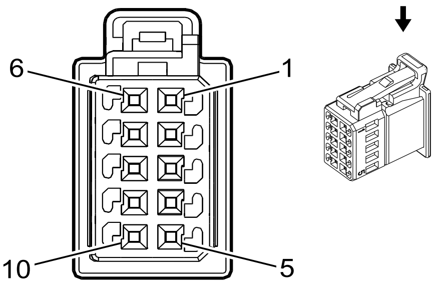
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575782	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575784	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

S48C Multifunction Switch 1 - Instrument Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.35	WH	6816	Indicator Dimming Control	I	—
4	0.35	BU/VT	1788	Traction Control Switch Signal 1	I	—
5	0.75	BK	1850	Ground	II	—
6	0.35	GN/GY	5286	Adjustable Pedal Switch Forward Signal	I	—
7	0.35	WH/GY	5285	Adjustable Pedal Switch Rearward Signal	I	—
8	0.5	RD/GN	1540	Battery Positive Voltage	I	—
9	—	—	—	Not Occupied	—	—
10	0.35	WH/VT	2092	Fuel Saver Mode (ECO) Switch Signal	I	—

S48D Multifunction Switch 2 - Instrument Panel



2830955

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13650061
Service Connector: 19299776
Description: 10-Way F 0.64 Micro-Quadlock Series (BK)

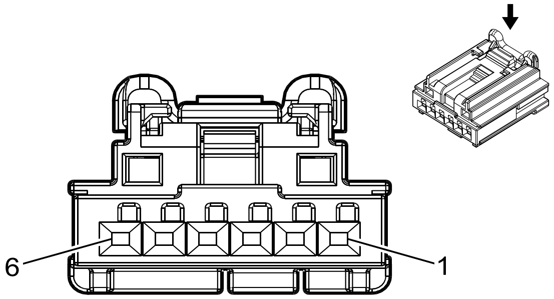
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575782	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575784	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

S48D Multifunction Switch 2 - Instrument Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.35	WH	3152	Lane Departure Warning Indicator Control	I	—
3	0.35	WH	6816	Indicator Dimming Control	I	—
4	0.35	BU/BN	3161	Parallel Park Assist Disable Switch Signal	I	—
5	0.75	BK	1850	Ground	II	—
6	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	I	—
7	0.35	GN/WH	4047	Glove Box Door Release Signal	I	—
8	0.5	RD/GN	1540	Battery Positive Voltage	I	—
9	0.35	GN/BN	5852	Rear Park Assist LED Disable Signal	I	—
10	0.35	GY/GN	2555	Rear Park Assist Disable Signal	I	—

S51 Telematics Button Assembly



3960313

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 13920633
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Generation Y Series (BK)

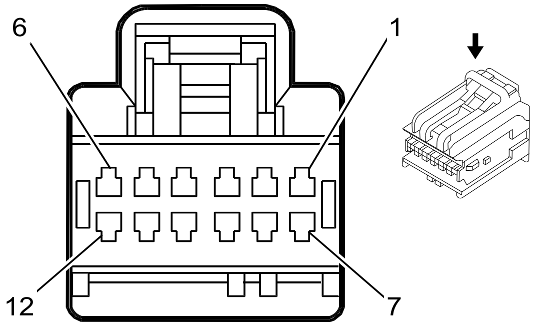
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S51 Telematics Button Assembly

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/BK	2515	Keypad Control	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	GN/BU	2514	Keypad Signal	I	—
4	0.35	YE/BN	2516	Keypad Green LED Control	I	—
5	0.35	BN/WH	2517	Keypad Red LED Control	I	—
6	0.35	BK	1050	Ground	I	—

S52 Outside Rearview Mirror Switch (A45)



3277916

Connector Part Information

Harness Type: Driver Door Trim
OEM Connector: 13889385
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 64 Series, Sealed (BN)

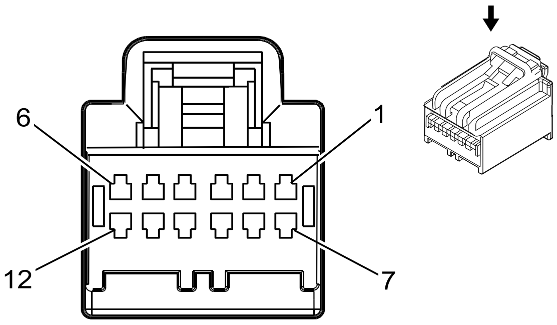
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S52 Outside Rearview Mirror Switch (A45)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/BN	3394	Driver Mirror Position Sensor Up (+) Down (-) Signal	I	—
2	0.35	VT/RD	3392	Driver Mirror Position Sensor 5V Reference	I	—
3	0.75	BK	1150	Ground	I	—
4	0.75	VT/BU	3390	Driver Mirror Motor Up (+) Down (-) Control	I	—
5	0.75	WH/GN	3412	Driver Mirror Motor Fold In Control	I	—
6	0.75	YE/BN	3391	Driver Mirror Motor Common Control	I	—
7	0.35	WH/YE	3395	Driver Mirror Position Sensor Left (-) Right (+) Signal	I	—
8	0.35	BK/BN	3393	Driver Mirror Position Sensor Low Reference	I	—
9	0.5	GN/WH	7530	Local Interconnect Network Serial Data Bus 8	I	—
10	0.75	RD/VT	1940	Battery Positive Voltage	I	—
11	0.75	BN/BK	3389	Driver Mirror Motor Right (+) Left (-) Control	I	—
12	0.75	GY/WH	3411	Driver Mirror Motor Fold Out Control	I	—

S52 Outside Rearview Mirror Switch (-A45)



3556661

Connector Part Information

Harness Type: Driver Door Trim
OEM Connector: 13587624
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 64 Series, Sealed (GY)

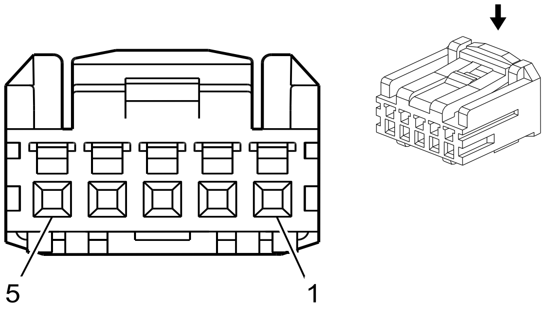
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S52 Outside Rearview Mirror Switch (-A45)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE/VT	3397	Passenger Mirror Motor Up (+) Down (-) Control	I	—
2	0.75	WH/GN	3412	Driver Mirror Motor Fold In Control	I	—
3	0.75	YE/BN	3391	Driver Mirror Motor Common Control	I	—
4	0.75	GN/BK	3396	Passenger Mirror Motor Right (+) Left (-) Control	I	—
5	0.75	BK	1150	Ground	I	—
6	0.35	YE	6817	LED Backlight Dimming Control	I	—
7	0.75	VT/BU	3390	Driver Mirror Motor Up (+) Down (-) Control	I	—
8	0.75	WH	3398	Passenger Mirror Motor Common Control	I	—
9	0.75	GY/WH	3411	Driver Mirror Motor Fold Out Control	I	—
10	0.75	BN/BK	3389	Driver Mirror Motor Right (+) Left (-) Control	I	—
11	—	—	—	Not Occupied	—	—
12	0.75	RD/VT	1940	Battery Positive Voltage	I	—

S63 Roof Beacon Switch (TRW)



1673494

Connector Part Information

Harness Type: Overhead Console TRW
OEM Connector: 15491277
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way F HCM Series (BK)

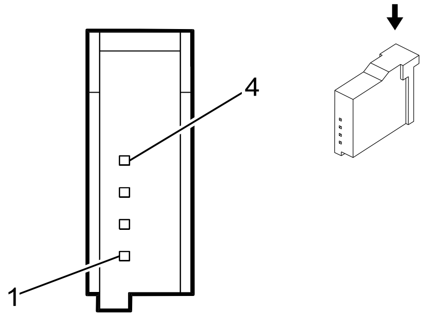
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S63 Roof Beacon Switch (TRW)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1050	Ground	I	—
2	0.5	YE	6817	LED Backlight Dimming Control	I	—
3	0.5	RD/YE	240	Battery Positive Voltage	I	—
4	0.5	WH/BK	5990	Emergency Lamp Switch Signal	I	—
5	—	—	—	Not Occupied	—	—

S64D Seat Adjuster Switch - Driver X1 (ULT)



3530730

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: AIT2PB-04B-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Series (BK)

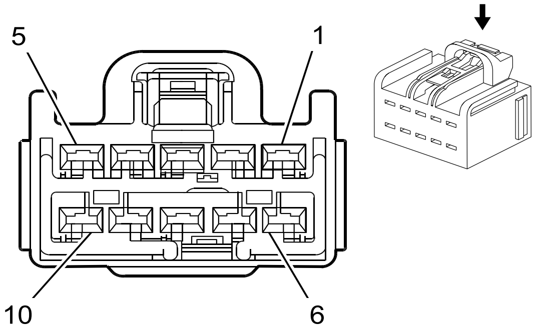
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S64D Seat Adjuster Switch - Driver X1 (ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/BN	2240	Battery Positive Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	GN/GY	3758	Local Interconnect Network Serial Data Bus 13	I	—
4	0.5	BK	1150	Ground	I	—

S64D Seat Adjuster Switch - Driver X1 (-ULT)



1856796

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7283-6457-40
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F YESC Kaizen Series (L-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

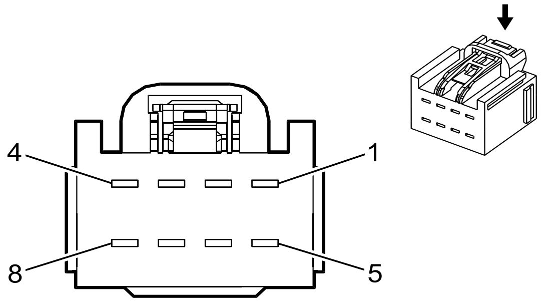
S64D Seat Adjuster Switch - Driver X1 (-ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5 1.5	GN/BN GN/BN	1518 286	Power Seat Front Vertical Up Switch Signal Driver Power Seat Front Vertical Motor Up Control	I I	A45 AG1-A45
2	2.5	BK	1150	Ground	I	—
3	0.5 1.5	YE/BN YE/BU	1522 285	Power Seat Horizontal Forward Switch Signal Driver Power Seat Horizontal Motor Forward Control	I I	A45 AG1-A45
4	0.5 1.5	GY/BK GN/YE	1269 276	Power Seat Recline Forward Switch Signal Driver Power Seat Recline Motor Forward Control	I I	A45 AG1-A45
5	0.5 1.5	BU/VT BU/VT	1520 287	Power Seat Front Vertical Down Switch Signal Driver Power Seat Front Vertical Motor Down Control	I I	A45 AG1-A45
6	0.35 2.5	BK RD/YE	1150 5040	Ground Battery Positive Voltage	I I	A45 AG1-A45
7	0.5 1.5	GY/GN GY/GN	1523 284	Power Seat Horizontal Rearward Switch Signal Driver Power Seat Horizontal Motor Rearward Control	I I	A45 AG1-A45
8	0.5 1.5	YE YE	1519 282	Power Seat Rear Vertical Up Switch Signal Driver Power Seat Rear Vertical Motor Up Control	I I	A45 AG1-A45
9	0.5 1.5	GN/GY BU/YE	1270 277	Power Seat Recline Rearward Switch Signal Driver Power Seat Recline Motor Rearward Control	I I	A45 AG1-A45

S64D Seat Adjuster Switch - Driver X1 (-ULT) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
10	0.5 1.5	YE/BU GY/BU	1521 283	Power Seat Rear Vertical Down Switch Signal Driver Power Seat Rear Vertical Motor Down Control	I I	A45 AG1-A45

S64D Seat Adjuster Switch - Driver X2



2832199

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7283-3243-40
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 2.8 Series (L-GY)

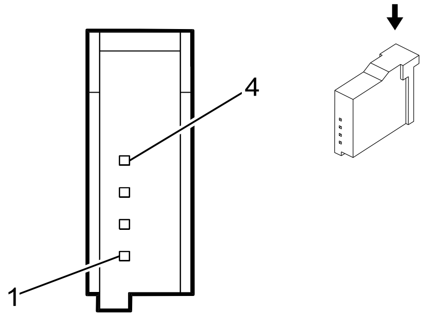
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S64D Seat Adjuster Switch - Driver X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	1066	Driver Seat Lumbar Up Switch Signal	I	—
2	0.5 1.5	YE BU	1065 611	Driver Seat Lumbar Forward Switch Signal Driver Power Seat Lumbar Motor Forward Control	I I	AL2 AL9
3 - 4	—	—	—	Not Occupied	—	—
5	0.5	YE/BK	1067	Driver Seat Lumbar Down Switch Signal	I	—
6	0.5 1.5	BU/VT VT	1064 610	Driver Seat Lumbar Rearward Switch Signal Driver Power Seat Lumbar Motor Rearward Control	I I	AL2 AL9
7 - 8	—	—	—	Not Occupied	—	—

S64P Seat Adjuster Switch - Passenger X1 (ULT)



3530730

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: AIT2PB-04B-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Series (BK)

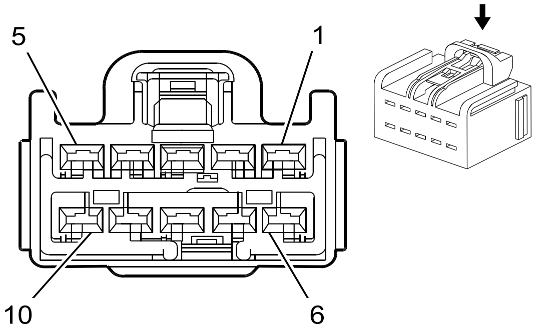
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S64P Seat Adjuster Switch - Passenger X1 (ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/WH	2240	Battery Positive Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	GN/GY	3758	Local Interconnect Network Serial Data Bus 13	I	—
4	0.5	BK	1250	Ground	I	—

S64P Seat Adjuster Switch - Passenger X1 (-ULT)



1856796

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7283-6457-40
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F YESC Kaizen Series (L-GY)

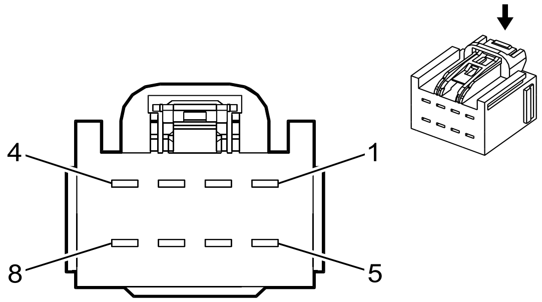
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S64P Seat Adjuster Switch - Passenger X1 (-ULT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GN/BU	298	Passenger Power Seat Front Vertical Motor Down Control	I	—
2	1.5	GN	76	Passenger Power Seat Recline Motor Forward Control	I	—
3	1.5	YE/WH	296	Passenger Power Seat Horizontal Motor Forward Control	I	—
4	1.5	GN/VT	297	Passenger Power Seat Front Vertical Motor Up Control	I	—
5	2.5	BK	1250	Ground	I	—
6	1.5	BU/WH	289	Passenger Power Seat Rear Vertical Motor Down Control	I	—
7	1.5	BU/BN	77	Passenger Power Seat Recline Motor Rearward Control	I	—
8	1.5	GN/WH	288	Passenger Power Seat Rear Vertical Motor Up Control	I	—
9	1.5	YE/BU	290	Passenger Power Seat Horizontal Motor Rearward Control	I	—
10	2.5	RD/BN	1440	Battery Positive Voltage	I	—

S64P Seat Adjuster Switch - Passenger X2



2832199

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7283-3243-40
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 2.8 Series (L-GY)

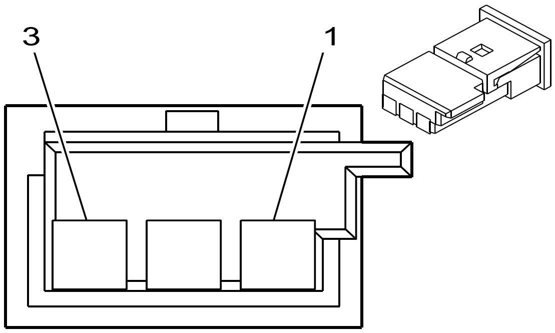
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S64P Seat Adjuster Switch - Passenger X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	1.5	VT	210	Passenger Power Seat Lumbar Motor Rearward Control	I	—
4	1.5	BN/YE	793	Passenger Power Seat Lumbar Motor Up Control	I	—
5	—	—	—	Not Occupied	—	—
6	1.5	BU	211	Passenger Power Seat Lumbar Motor Forward Control	I	—
7	—	—	—	Not Occupied	—	—
8	1.5	BU/YE	792	Passenger Power Seat Lumbar Motor Down Control	I	—

S70E Steering Wheel Controls Switch - Radio Presets (X88)



647970

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13153088
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Micro-Quadlock Series (BK)

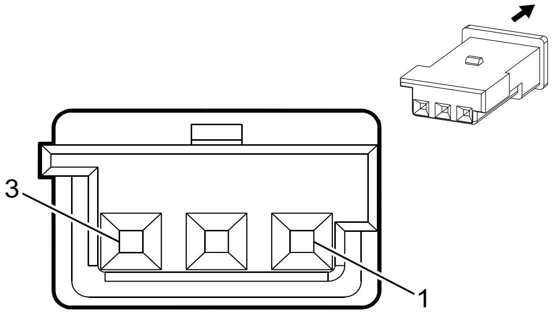
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S70E Steering Wheel Controls Switch - Radio Presets (X88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	4313	Radio Favorite Forward Signal	I	—
2	0.35	YE/BU	4312	Radio Favorite Back Signal	I	—
3	0.35	BK	1050	Ground	I	—

S70F Steering Wheel Controls Switch - Radio Volume (X88)



2179789

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 19153569
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F Micro-Quadlock Series (PU)

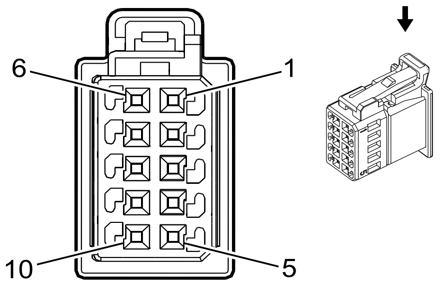
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S70F Steering Wheel Controls Switch - Radio Volume (X88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU	4315	Radio Volume Up Signal	I	—
2	0.35	GN/BN	4314	Radio Volume Down Signal	I	—
3	0.35	BK	1050	Ground	I	—

S70L Steering Wheel Controls Switch - Left (X88)



2830955

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13582766
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 Micro-Quadlock Series (BK)

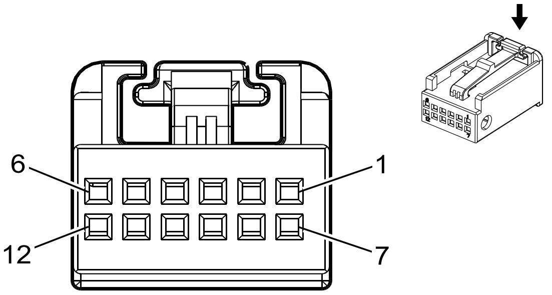
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S70L Steering Wheel Controls Switch - Left (X88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1050	Ground	I	—
2	0.5	VT	1050	Ground	I	—
3	0.35	GY/OG	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	—
4	0.35	BN/YE	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	—
5	0.35	OG	5883	Heated Steering Wheel Switch Signal	I	—
6	0.35 0.35	YE YE	6817 6136	LED Backlight Dimming Control Control	I I	UK3 -UK3
7	0.35	WH	6816	Indicator Dimming Control	I	—
8	0.35	PK	5884	Heated Steering Wheel Switch LED Control	I	—
9	0.35	WH	1444	12V Reference	I	—
10	0.35	RD/YE	3040	Battery Positive Voltage	I	—

S70L Steering Wheel Controls Switch - Left (Z75)



4693508

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13578796
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 0.64 GET Series (BK with BK Case)

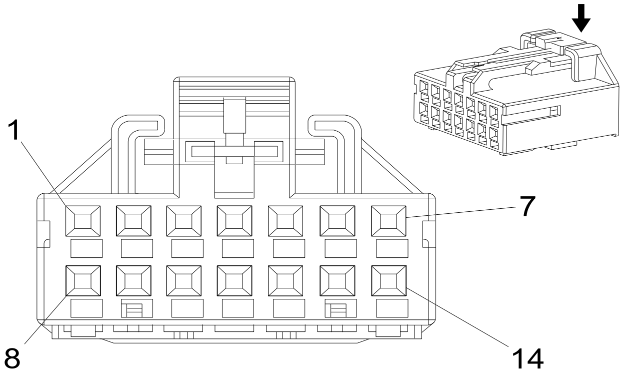
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S70L Steering Wheel Controls Switch - Left (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/	9500	Voice Switch Control	I	—
2	0.35	OG/BK	6817	LED Backlight Dimming Control	I	—
3	0.35	BK/YE	9501	Phone Switch Control	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	WH	6816	Indicator Dimming Control	I	—
6	0.35	BK	1050	Ground	I	—
7	0.35	RD/YE	3040	Battery Positive Voltage	I	—
8	0.35	WH	1444	12V Reference	I	—
9	0.35	GY/OG	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	—
10	0.35	BN/YE	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	—
11	0.35	YE/GY	5883	Heated Steering Wheel Switch Signal	I	—
12	0.35	BN/WH	5884	Heated Steering Wheel Switch LED Control	I	—

S70L Steering Wheel Controls Switch - Left (Z88)



1897000

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13586834
Service Connector: Service by Harness - See Part Catalog
Description: 14-Way F Micro-Quadlock Series (BK)

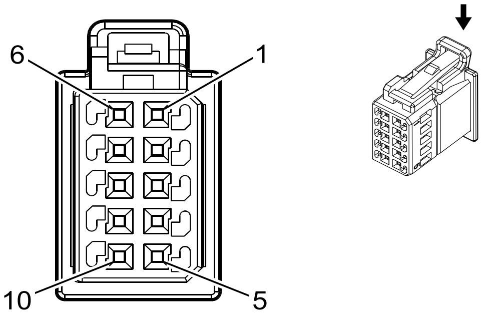
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S70L Steering Wheel Controls Switch - Left (Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1050	Ground	I	—
2	0.5	VT	1050	Ground	I	—
3	0.35	GY/OG	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	—
4	0.35	BN/YE	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	—
5	0.35	OG	5883	Heated Steering Wheel Switch Signal	I	—
6	0.35 0.35	YE YE	6817 6136	LED Backlight Dimming Control Control	I I	UK3 -UK3
7	0.35	PK	5884	Heated Steering Wheel Switch LED Control	I	—
8 - 9	—	—	—	Not Occupied	—	—
10	0.35	RD/YE	3040	Battery Positive Voltage	I	—
11	0.35	WH	6816	Indicator Dimming Control	I	—
12	0.35	GY	9500	Cellular Telephone Voice Signal	I	—
13	0.35	BK/YE	9501	Cellular Telephone Voice Low Reference	I	—
14	0.35	WH	1444	12V Reference	I	—

S70R Steering Wheel Controls Switch - Right (X88)



3824564

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13582767
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 Micro-Quadlock Series (BK)

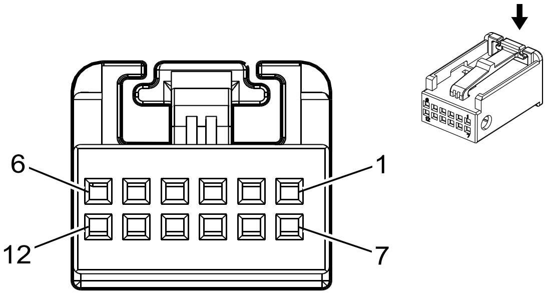
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S70R Steering Wheel Controls Switch - Right (X88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	—
2	0.35	WH	6816	Indicator Dimming Control	I	—
3	0.5	GN/BK	3894	Local Interconnect Network Serial Data Bus 12	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	RD/YE	3040	Battery Positive Voltage	I	—
6	0.35	BK	1050	Ground	I	—
7	0.35	BU	4315	Radio Volume Up Signal	I	—
8	0.35	GN/BN	4314	Radio Volume Down Signal	I	—
9	0.35	WH/YE	4313	Radio Favorite Forward Signal	I	—
10	0.35	YE/BU	4312	Radio Favorite Back Signal	I	—

S70R Steering Wheel Controls Switch - Right (Z75)



4693508

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13578796
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 0.64 GET Series (BK with BK Case)

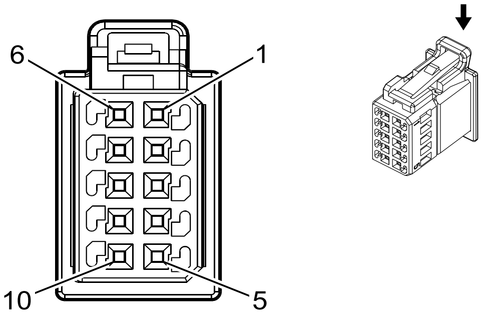
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S70R Steering Wheel Controls Switch - Right (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN	9500	Voice Switch Control	I	—
2	0.35	YE	6817	LED Backlight Dimming Control	I	—
3	0.35	BK/YE	9501	Phone Switch Control	I	—
4	—	—	—	Not Occupied	—	—
5	0.5	GN/BK	3894	Local Interconnect Network Serial Data Bus 12	I	—
6	0.35	BK	1050	Ground	I	—
7	0.35	RD/YE	3040	Battery Positive Voltage	I	—
8	0.35	WH	6816	Indicator Dimming Control	I	—
9 - 12	—	—	—	Not Occupied	—	—

S70R Steering Wheel Controls Switch - Right (Z88)



3824564

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13582767
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 Micro-Quadlock Series (BK)

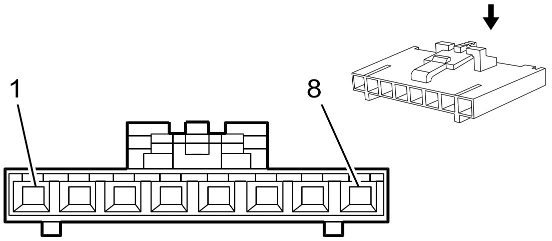
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S70R Steering Wheel Controls Switch - Right (Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	—
2	0.35	WH	6816	Indicator Dimming Control	I	—
3	0.5	GN/BK	3894	Local Interconnect Network Serial Data Bus 12	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	RD/YE	3040	Battery Positive Voltage	I	—
6	0.35	BK	1050	Ground	I	—
7	—	—	—	Not Occupied	—	—
8	0.35	BK/YE	9501	Cellular Telephone Voice Signal	I	—
9	0.35	GY	9500	Cellular Telephone Voice Low Reference	I	—
10	—	—	—	Not Occupied	—	—

S72 Sunroof Switch



1283887

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 12103492
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 0.64 SL Series (BK)

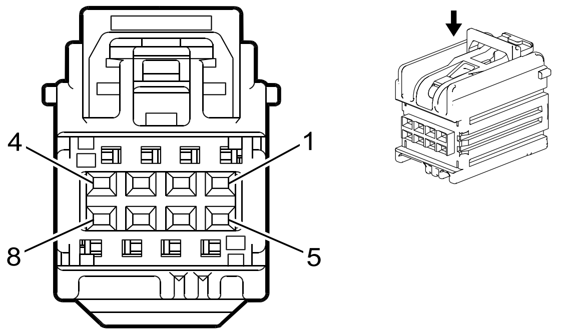
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S72 Sunroof Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN/BU	2074	Sunroof Switch Express Signal	I	—
2	0.35	YE/VT	144	Sunroof Switch Open Vent Signal	I	—
3	0.35	YE	6817	LED Backlight Dimming Control	I	—
4	0.35	BU/WH	110	Sunroof Switch Close Signal	I	—
5	—	—	—	Not Occupied	—	—
6	0.35	GN/WH	100	Sunroof Switch Open Signal	I	—
7	0.35	BK	1050	Ground	I	—
8	0.35	GY/VT	2075	Sunroof Switch Close Vent Signal	I	—

S76 Trailer Brake Control Switch



1716517

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13518475
Service Connector: 13576542
Description: 8-Way F YESC Kaizen Series (BK)

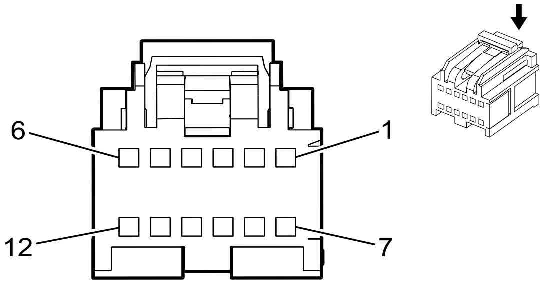
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S76 Trailer Brake Control Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.5	BU/RD	7632	Integrated Trailer Brake Controller Switch 5V Reference	I	—
4	0.5	YE	7635	Integrated Trailer Brake Controller Manual Apply Signal	I	—
5	0.5	BN	7634	Integrated Trailer Brake Controller Redundant Manual Apply Signal	I	—
6	0.5	GN/BK	7633	Integrated Trailer Brake Controller User Gain Signal	I	—
7	0.35	YE	6817	LED Backlight Dimming Control	I	—
8	0.5	BK/BN	7631	Integrated Trailer Brake Controller Switch Low Reference	I	—

S77 Transfer Case Shift Control Switch



3240099

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 33104389
Service Connector: 13594072
Description: 12-Way F 0.64 OCS Series (GY)

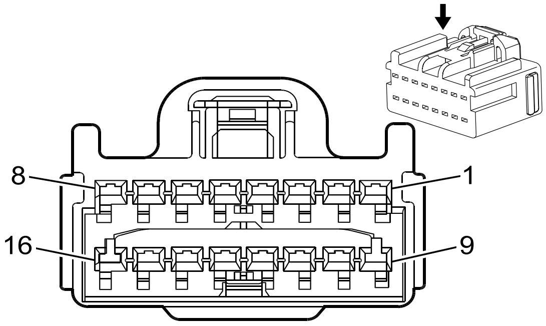
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300660	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

S77 Transfer Case Shift Control Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	VT/BN	300	Run Ignition 3 Voltage	I	—
3	0.35	BN	1560	Neutral Indicator Control	I	—
4	0.35	WH	6816	Indicator Dimming Control	I	—
5	0.35	YE	6817	LED Backlight Dimming Control	I	—
6	0.75	BK	1050	Ground	I	—
7	0.35	GY/GN	1561	AWD Indicator Control	I	—
8	0.35	GN/BK	1563	2 HI Indicator Control	I	—
9	0.35	BN/BK	1566	4 HI Indicator Control	I	—
10	0.35	VT/WH	1565	4 LO Indicator Control	I	—
11	0.35	GY/RD	6029	Four Wheel Drive Mode Switch 5V Reference	I	—
12	0.35	BU/YE	1693	Four Wheel Drive Switch Signal	I	—

S78 Turn Signal/Multifunction Switch X1



1592558

Connector Part Information

Harness Type: Steering Column
OEM Connector: 89047090
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way F 1.5 Kaizen Series (GN)

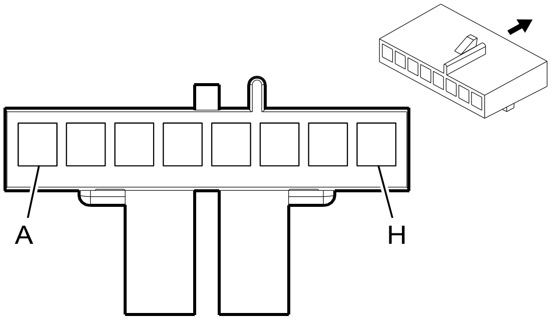
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S78 Turn Signal/Multifunction Switch X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 3	—	—	—	Not Occupied	—	—
4	0.35	GY	1715	Windshield Wiper Switch High Signal	I	—
5	—	—	—	Not Occupied	—	—
6	0.35	WH/BK	94	Windshield Washer Switch Signal	I	—
7	0.35	BK/GY	6009	Windshield Wiper Switch Low Reference	I	—
8	0.35	YE/BU	1714	Windshield Wiper Switch Low Signal	I	—
9	—	—	—	Not Occupied	—	—
10	0.35	YE/BN	307	Headlamp Switch Flash To Pass Signal	I	—
11 - 12	—	—	—	Not Occupied	—	—
13	0.35	BK/WH	1851	Signal Ground	I	—
14	0.35	WH	524	Headlamp Dimmer Switch High Beam Signal	I	—
15 - 16	—	—	—	Not Occupied	—	—

S78 Turn Signal/Multifunction Switch X2



39746

Connector Part Information

Harness Type: Steering Column
OEM Connector: 12064862
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 150 Metri-Pack Series (BK)

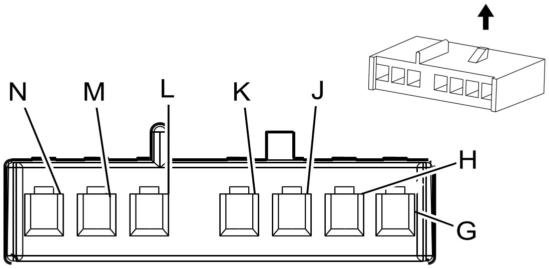
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S78 Turn Signal/Multifunction Switch X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A - B	—	—	—	Not Occupied	—	—
C	0.35	BK/WH	1851	Signal Ground	I	—
D	0.35	VT/BU	664	Hazard Switch Right Turn Signal	I	—
E	0.35	WH/GN	663	Hazard Switch Left Turn Signal	I	—
F	0.35	BK/WH	1851	Signal Ground	I	—
G	0.35	GN/WH	111	Hazard Switch Signal	I	—
H	—	—	—	Not Occupied	—	—

S78 Turn Signal/Multifunction Switch X3



811190

Connector Part Information

Harness Type: Steering Column
OEM Connector: 15339058
Service Connector: Service by Harness - See Part Catalog
Description: 7-Way F 150 Metri-Pack Series (GY)

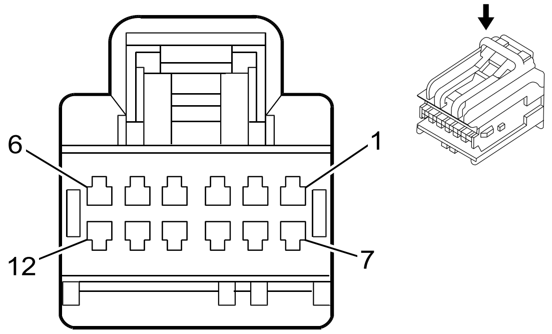
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S78 Turn Signal/Multifunction Switch X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
G	0.35	BN/BU	391	Rear Window Wiper Switch Signal	I	—
H	0.35	BK/WH	1851	Signal Ground	I	—
J	—	—	—	Not Occupied	—	—
K	0.35	GY/YE	7595	Auto Wiper On Signal	I	—
L - N	—	—	—	Not Occupied	—	—

S79D Window Switch - Driver



1664569

Connector Part Information

Harness Type: Driver Door Trim
OEM Connector: 13551678
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 0.64 Series (BK)

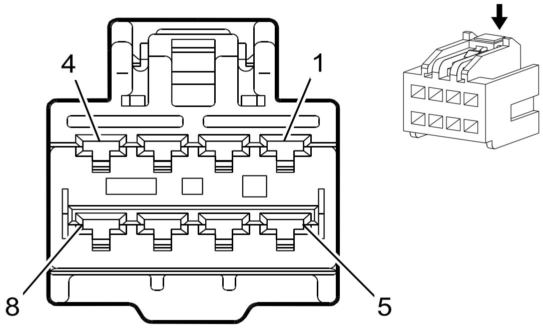
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S79D Window Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	1150	Ground	I	—
2	0.35	GN/VT	7628	Power Window Motor Left Front Express Control	I	—
3	0.35	GY/BK	1136	Power Window Master Switch Left Front Down Signal	I	—
4	0.5	RD/VT	1940	Battery Positive Voltage	I	—
5	0.5	GN/YE	6134	Local Interconnect Network Serial Data Bus 3	I	—
6	0.35	GN/WH	1300	Power Window Master Switch Left Front Up Signal	I	—
7	0.35	WH/VT	3270	Driver Door Lock Motor Status Signal	I	—
8	0.35	BU/VT	1124	Door Lock Key Switch Unlock Signal	I	—
9	—	—	—	Not Occupied	—	—
10	0.35	YE/BN	3265	Child Security Lock Switch Signal	I	—
11	0.35	WH	6816	Indicator Dimming Control	I	—
12	0.35	GY	5697	Child Lockout Indicator Control	I	—

S79LR Window Switch - Left Rear



1653389

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 15491286
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 2.8 Series (BK)

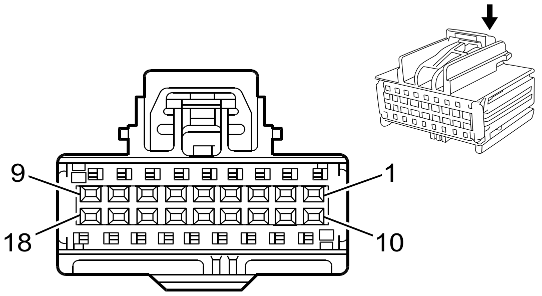
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S79LR Window Switch - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/GY	6135	Local Interconnect Network Serial Data Bus 4	I	—
2	0.35	GY/WH	747	Left Rear Door Ajar Switch Signal	I	—
3	0.5	BK	1150	Ground	I	—
4	—	—	—	Not Occupied	—	—
5	2.5	BK	1150	Ground	I	—
6	2.5	BU/VT	668	Power Window Motor Left Rear Up Control	I	—
7	2.5	YE/BU	669	Power Window Motor Left Rear Down Control	I	—
8	2.5	RD/BU	1842	Battery Positive Voltage	I	—

S79P Window Switch - Passenger (A45)



1664585

Connector Part Information

Harness Type: Passenger Door Trim
OEM Connector: 13548562
Service Connector: Service by Harness - See Part Catalog
Description: 18-Way F 0.64 Kaizen Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

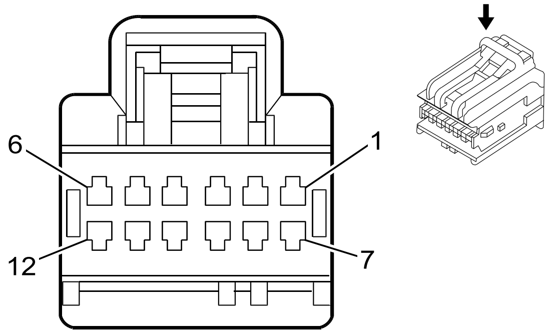
S79P Window Switch - Passenger (A45)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE/WH	3413	Passenger Mirror Motor Fold Out Control	I	—
2	0.75	YE/VT	3397	Passenger Mirror Motor Up (+) Down (-) Control	I	—
3	0.75	WH	3398	Passenger Mirror Motor Common Control	I	—
4	0.35	YE/RD	3399	Passenger Mirror Position Sensor 5V Reference	I	—
5	0.35	BU/YE	3401	Passenger Mirror Position Sensor Up (+) Down (-) Signal	I	—
6	0.35	BK/GN	3400	Passenger Mirror Position Sensor Low Reference	I	—
7	0.75	BU/GY	3414	Passenger Mirror Motor Fold In Control	I	—
8	0.75	GN/BK	3396	Passenger Mirror Motor Right (+) Left (-) Control	I	—
9	0.5	GN/WH	7530	Local Interconnect Network Serial Data Bus 8	I	—
10	—	—	—	Not Occupied	—	—
11	0.35	VT/WH	3403	Passenger Mirror Position Sensor Left (-) Right (+) Signal	I	—
12	—	—	—	Not Occupied	—	—
13	0.35	BK	1250	Ground	I	—
14	0.35	VT/GY	2765	Power Window Switch Right Front Express Signal	I	—
15	0.35	BN/YE	167	Power Window Master Switch Right Front Down Signal	I	—
16	0.5	RD/BU	840	Battery Positive Voltage	I	—
17	0.35	YE	6817	LED Backlight Dimming Control	I	—

S79P Window Switch - Passenger (A45) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
18	0.35	YE/BK	166	Power Window Master Switch Right Front Up Signal	I	—

S79P Window Switch - Passenger (-A45)



1664569

Connector Part Information

Harness Type: Passenger Door Trim
OEM Connector: 13551678
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 0.64 Series (BK)

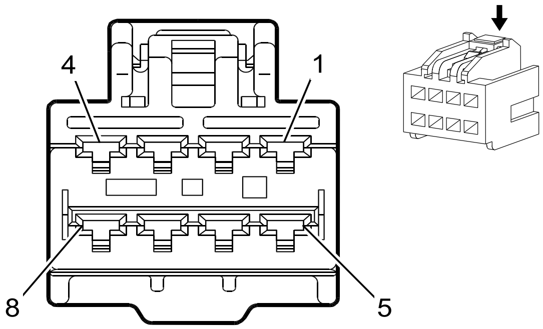
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S79P Window Switch - Passenger (-A45)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1250	Ground	I	—
2	0.35	VT/GY	2765	Power Window Switch Right Front Express Signal	I	—
3	0.35	BN/YE	167	Power Window Master Switch Right Front Down Signal	I	—
4	0.5	RD/BU	840	Battery Positive Voltage	I	—
5	0.35	YE	6817	LED Backlight Dimming Control	I	—
6	0.35	YE/BK	166	Power Window Master Switch Right Front Up Signal	I	—
7 - 12	—	—	—	Not Occupied	—	—

S79RR Window Switch - Right Rear



1653389

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 15491286
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 2.8 Series (BK)

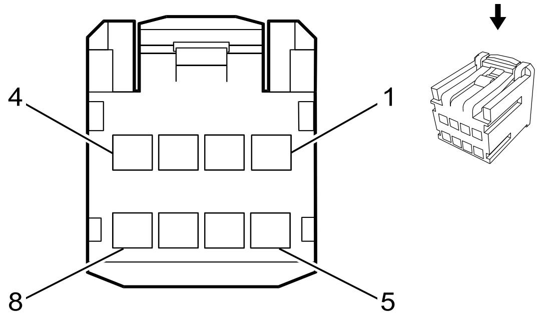
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S79RR Window Switch - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/GY	6135	Local Interconnect Network Serial Data Bus 4	I	—
2	0.35	GY/WH	748	Right Rear Door Ajar Switch Signal	I	—
3 - 4	—	—	—	Not Occupied	—	—
5	2.5	BK	1250	Ground	I	—
6	2.5	BU/GY	670	Power Window Motor Right Rear Up Control	I	—
7	2.5	GN/BK	671	Power Window Motor Right Rear Down Control	I	—
8	2.5	RD/WH	1340	Battery Positive Voltage	I	—

S91 Park Brake Control Switch



2180203

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13609516
Service Connector: 13576541
Description: 8-Way F 1.2 HCM Series (BK)

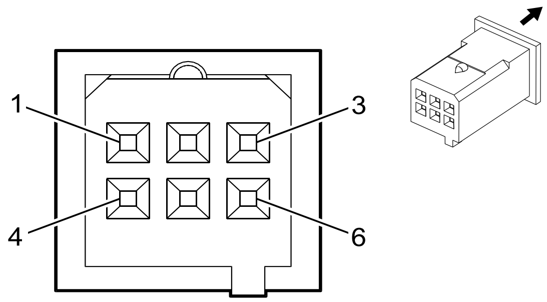
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S91 Park Brake Control Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	1492	Park Brake Switch Supply Voltage	I	—
2	0.35	BU/VT	1134	Park Brake Switch Signal	I	—
3	0.35	YE/RD	7683	Park Brake Release Switch Voltage Reference	I	—
4	0.35	BN	6107	Park Brake Apply Switch Signal	I	—
5	0.35	BU/BK	6108	Park Brake Release Switch Signal	I	—
6	0.35	YE	6817	LED Backlight Dimming Control	I	—
7	0.35	GY/RD	7684	Park Brake Apply Switch Voltage Reference	I	—
8	0.35	BK/WH	1851	Signal Ground	I	—

S135 Rollover Protection Disable Switch



2236371

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13548426

Service Connector: 19367512

Description: 6-Way F 0.64 Micro-Quadlock Series (NA)

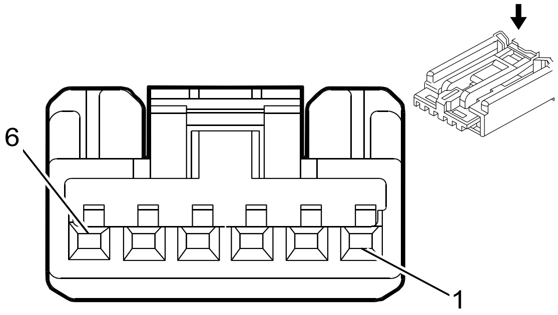
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S135 Rollover Protection Disable Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/OG	371	Passenger IP Module Disable Switch Signal	I	—
2	0.35	BU/OG	7328	Passenger IP Module Disable Switch Low Reference	I	—
3 - 6	—	—	—	Not Occupied	—	—

S140 Media Disc Eject Switch



1862240

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13595476
Service Connector: 19167753
Description: 6-Way F 0.64 Kaizen Series (BK)

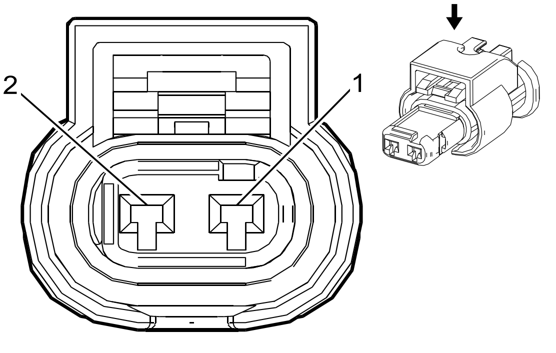
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S140 Media Disc Eject Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/GN	1540	Battery Positive Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	WH	6816	Indicator Dimming Control	I	—
4	0.35	GY	4016	Remote Media Eject Signal	I	—
5	0.5	YE	6817	LED Backlight Dimming Control	I	—
6	0.35	BK	2550	Ground	I	—

S141 Liftgate Window Unlatch Switch



2474752

Connector Part Information

Harness Type: Liftgate
OEM Connector: 13761652
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

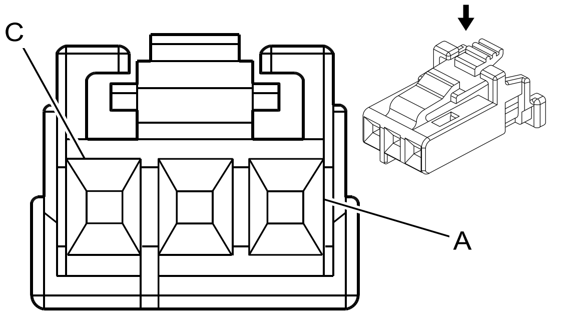
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S141 Liftgate Window Unlatch Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1450	Ground	I	—
2	0.35	GY/GN	6190	Lift Glass/Rear Compartment Lid Exterior Release Signal	I	—

S143L Folding Seat Control Switch - 2nd Row Left



1376712

Connector Part Information

Harness Type: Body
OEM Connector: 15417063
Service Connector: 88987857
Description: 3-Way F 0.64 Micro-Pack Series (BK)

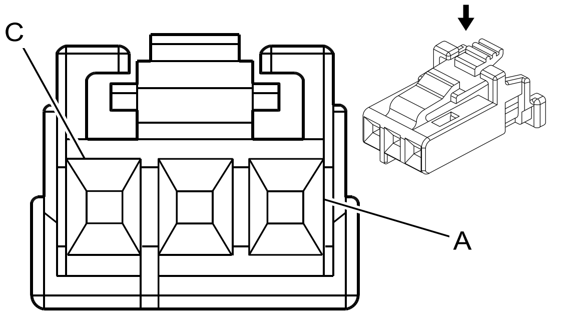
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S143L Folding Seat Control Switch - 2nd Row Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	GN	6808	Left Rear Seat Fold Tumble Control	I	—
B	—	—	—	Not Occupied	—	—
C	0.5	YE/BK	5813	Park Enable Control	I	—

S143R Folding Seat Control Switch - 2nd Row Right



1376712

Connector Part Information

Harness Type: Body
OEM Connector: 15417063
Service Connector: 88987857
Description: 3-Way F 0.64 Micro-Pack Series (BK)

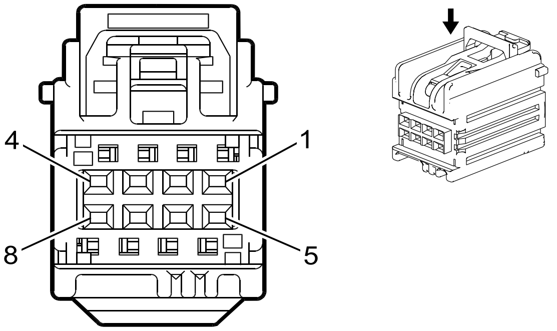
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S143R Folding Seat Control Switch - 2nd Row Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BN/WH	6809	Right Rear Seat Fold Tumble Control	I	—
B	—	—	—	Not Occupied	—	—
C	0.5	YE/BK	5813	Park Enable Control	I	—

S144A Folding Seat Control Switch - Rear Compartment 2nd Row



1716517

Connector Part Information

Harness Type: Body
OEM Connector: 13518475
Service Connector: 13576542
Description: 8-Way F YESC Kaizen Series (BK)

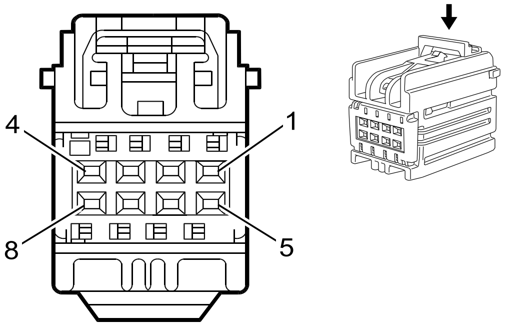
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S144A Folding Seat Control Switch - Rear Compartment 2nd Row

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	YE/BK	5813	Park Enable Control	I	—
3	—	—	—	Not Occupied	—	—
4	0.5	GN	6808	Left Rear Seat Fold Tumble Control	I	—
5	0.5	BN/WH	6809	Right Rear Seat Fold Tumble Control	I	—
6 - 8	—	—	—	Not Occupied	—	—

S144B Folding Seat Control Switch - Rear Compartment 3rd Row



1664573

Connector Part Information

Harness Type: Body
OEM Connector: 13551679
Service Connector: 19115653
Description: 8-Way F YESC Kaizen Series (L-GY)

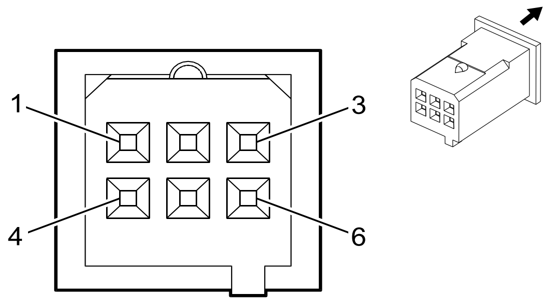
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S144B Folding Seat Control Switch - Rear Compartment 3rd Row

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BK	5813	Park Enable Control	I	—
2	0.5	GN	4224	LH Third Row Seat Recline Rearward Signal	I	—
3	0.5	GN/BK	4223	LH Third Row Seat Recline Forward Signal	I	—
4	0.5	YE	4220	RH Third Row Seat Recline Rearward Signal	I	—
5	0.5	YE/BK	4219	RH Third Row Seat Recline Forward Signal	I	—
6 - 8	—	—	—	Not Occupied	—	—

S145 Center Console Compartment Cooler Switch (X88/Z88)



2236371

Connector Part Information

Harness Type: Floor Console Extension
OEM Connector: 13548426
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Micro-Quadlock Series (NA)

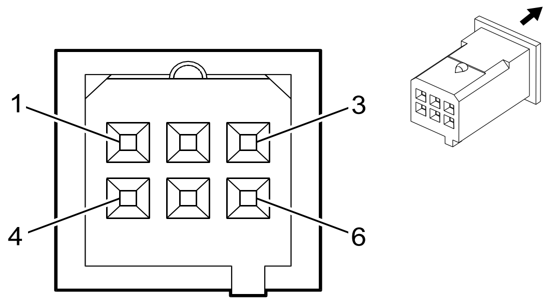
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S145 Center Console Compartment Cooler Switch (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	6817	LED Backlight Dimming Control	I	—
2	0.35	BN	6532	Power Rear Compartment Lid On/Off Control	I	—
3	0.5	BK	1050	Ground	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	GY/BK	2546	Rear Steering Axle Control Motor Control Phase B	I	—
6	0.5	WH	6816	Indicator Dimming Control	I	—

S145 Center Console Compartment Cooler Switch (Z75)



2236371

Connector Part Information

Harness Type: Floor Console
OEM Connector: 13548426
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Micro-Quadlock Series (NA)

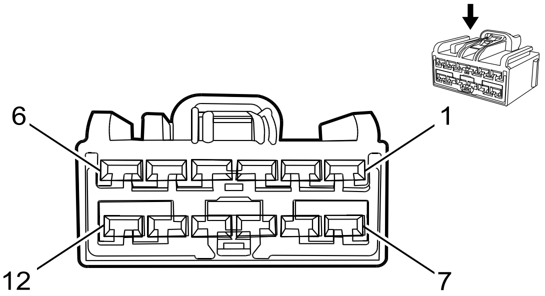
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S145 Center Console Compartment Cooler Switch (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	6817	LED Backlight Dimming Control	I	—
2	0.35	BN	6532	Power Rear Compartment Lid On/Off Control	I	—
3	0.75	BK	1050	Ground	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	GY/BK	2546	Rear Steering Axle Control Motor Control Phase B	I	—
6	0.5	WH	6816	Indicator Dimming Control	I	—

T1 Accessory DC/AC Power Inverter Module



2231648

Connector Part Information

Harness Type: Instrument Panel Extension
OEM Connector: 10846814
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 2.8 Kaizen Series (L-GY)

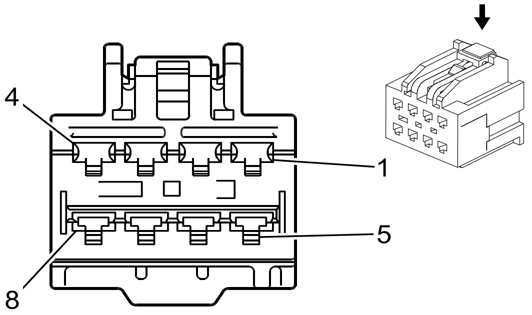
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T1 Accessory DC/AC Power Inverter Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	1.5	BK	5683	120 V AC Phase A	I	—
4 - 5	—	—	—	Not Occupied	—	—
6	2.5	RD/GY	4140	Battery Positive Voltage	I	—
7	1.5	RD	5684	120 V AC Phase B	I	—
8 - 9	—	—	—	Not Occupied	—	—
10	0.35	Bare	514	Low Reference	II	—
11	2.5	BK	1050	Ground	I	—
12	0.35	BU/BN	6807	DC To AC Inverter Control	II	—

T3 Audio Amplifier X1 (AZ3)



1715234

Connector Part Information

Harness Type: Body
OEM Connector: 15491289
Service Connector: 19115652
Description: 8-Way F 2.8 Series (L-GY)

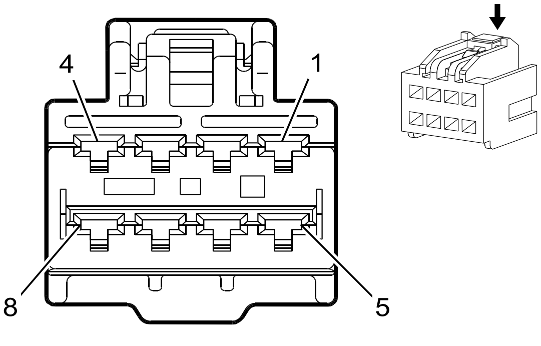
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T3 Audio Amplifier X1 (AZ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	YE	200	Right Front Speaker Control (+) 1	I	—
2	—	—	—	Not Occupied	—	—
3	2.5	BU	201	Left Front Speaker Control (+) 1	I	—
4	2.5	RD/YE	3740	Battery Positive Voltage	I	—
5	2.5	YE/BK	117	Right Front Speaker Signal (-) 1	I	—
6	—	—	—	Not Occupied	—	—
7	2.5	BN/BU	118	Left Front Speaker Signal (-) 1	I	—
8	2.5	BK	2550	Ground	I	—

T3 Audio Amplifier X1 (-AZ3)



Connector Part Information

Harness Type: Body
OEM Connector: 15491286
Service Connector: 13580111
Description: 8-Way F 2.8 Series (BK)

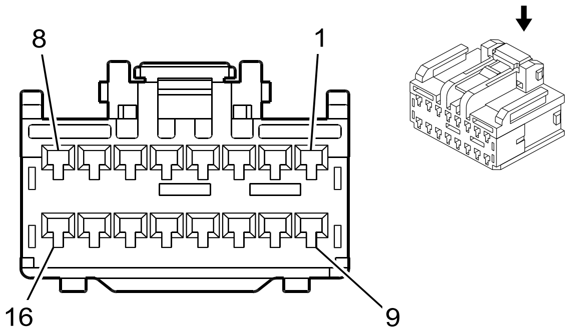
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T3 Audio Amplifier X1 (-AZ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BU/GY	346	Left/Rear Subwoofer Speaker Control (+)	I	—
2	1	YE	200	Right Front Speaker Control (+) 1	I	—
3	1	BU	201	Left Front Speaker Control (+) 1	I	—
4	2.5	RD/YE	3740	Battery Positive Voltage	I	—
5	2.5	GY/BK	315	Right Subwoofer Speaker (-) Low Reference	I	—
6	1	YE/BK	117	Right Front Speaker Signal (-) 1	I	—
7	1	BN/BU	118	Left Front Speaker Signal (-) 1	I	—
8	2.5	BK	2550	Ground	I	—

T3 Audio Amplifier X2



1653404

Connector Part Information

Harness Type: Body
OEM Connector: 15489823
Service Connector: 15134091
Description: 16-Way F 1.5 Series (BK)

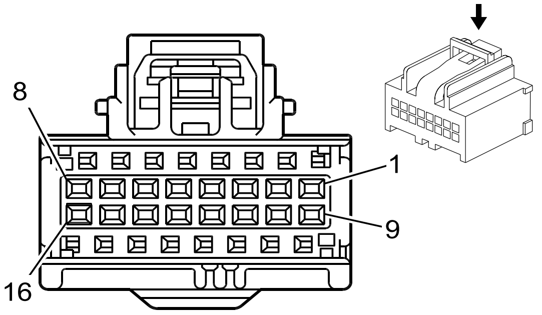
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575790	J-35616-2A (GY)	J-38125-553	15496302	Delphi 5	2	A

T3 Audio Amplifier X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE/GY	1956	Left Front Tweeter Speaker (-) Low Reference	I	—
2	0.75	BU/YE	1960	Front Center Speaker (-) Low Reference	I	—
3	1	YE/BN	1859	Left Rear Midrange Speaker Control (+)	I	—
4	0.75	BN/GN	1852	Right Front Tweeter Speaker Control (+)	I	—
5	0.75	YE/BU	1856	Left Front Tweeter Speaker Control (+)	I	—
6	1	WH	46	Right Rear Speaker Control (+)	I	—
7	1	GN	199	Left Rear Speaker Control (+)	I	—
8	—	—	—	Not Occupied	—	—
9	0.75	YE/BU	1856	Left Front Tweeter Speaker Control (+)	I	—
10	0.75	YE/WH	1860	Front Center Speaker Control (+)	I	—
11	1	WH/BK	1959	Left Rear Midrange Speaker (-) Low Reference	I	—
12	0.75	VT/BN	1952	Right Front Tweeter Speaker (-) Low Reference	I	—
13	0.75	YE/GY	1956	Left Front Tweeter Speaker (-) Low Reference	I	—
14	1	BU/BK	115	Right Rear Speaker Signal (-)	I	—
15	1	GN/BK	116	Left Rear Speaker Signal (-)	I	—
16	—	—	—	Not Occupied	—	—

T3 Audio Amplifier X3



1653409

Connector Part Information

Harness Type: Body
OEM Connector: 15491285
Service Connector: 15136073
Description: 16-Way F 0.64 Kaizen Series (BK)

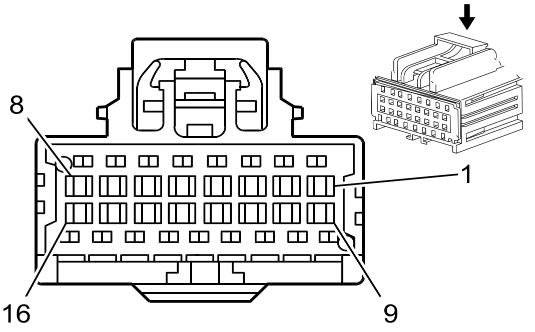
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

T3 Audio Amplifier X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75 0.5	GY/GN GY/GN	1102 1102	Low Speed GMLAN Serial Data #2 Low Speed GMLAN Serial Data #2	I I	UQA/UQS/UQG/ UQH+UVH UQA/UQS/UQG/ UQH-UVH
2	0.35	VT/BU	6091	Crankshaft Position Sensor Replicated Signal	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	GN/BN	3005	Noise Reduction Microphone 1 Signal	I	—
5	0.35	BU/YE	3006	Noise Reduction Microphone 2 Signal	I	—
6	0.35	GY/BU	3007	Noise Reduction Microphone 3 Signal	I	—
7	—	—	—	Not Occupied	—	—
8	0.75	BN/GN	1852	Right Front Tweeter Speaker Control (+)	I	—
9 - 11	—	—	—	Not Occupied	—	—
12	0.35	GN/BK	3008	Noise Reduction Microphone 1 Low Reference	I	—
13	0.35	BU/BK	3009	Noise Reduction Microphone 2 Low Reference	I	—
14	0.35	GY/BN	3010	Noise Reduction Microphone 3 Low Reference	I	—
15	—	—	—	Not Occupied	—	—
16	0.75	VT/BN	1952	Right Front Tweeter Speaker (-) Low Reference	I	—

T3 Audio Amplifier X4



1664488

Connector Part Information

Harness Type: Body
OEM Connector: 15466054
Service Connector: 15136074
Description: 16-Way F 0.64 Kaizen Series (BN)

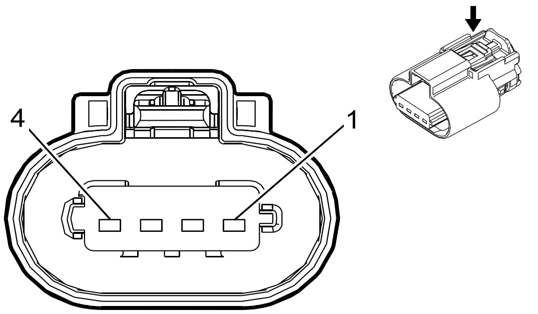
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

T3 Audio Amplifier X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.35	WH/GN	3997	MOST Serial Data (-)	I	—
4	0.35	GY/VT	3998	MOST Serial Data (+)	I	—
5	0.35	YE	3997	MOST Serial Data (-)	I	—
6	0.35	GN	3998	MOST Serial Data (+)	I	—
7 - 13	—	—	—	Not Occupied	—	—
14	0.35	WH/VT	3999	MOST Control	I	—
15 - 16	—	—	—	Not Occupied	—	—

T8A Ignition Coil 1 (L83/L86)



3240115

Connector Part Information

Harness Type: Engine
OEM Connector: 13863211
Service Connector: 19301722
Description: 4-Way F 150 MX Series, Sealed (BK)

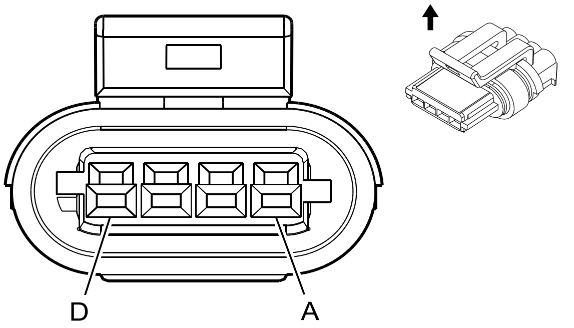
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8A Ignition Coil 1 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	—
2	0.5	BK/BU	2129	Ignition Control Low Reference Bank 1	I	—
3	0.5	BU/VT	2121	Ignition Control 1	I	—
4	0.75	VT/BU	5291	Powertrain Main Relay Fused Supply 2	I	—

T8A Ignition Coil 1 (L96)



1581641

Connector Part Information

Harness Type: Ignition Coil
OEM Connector: 15439568
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 150 GT Series, Sealed (BK)

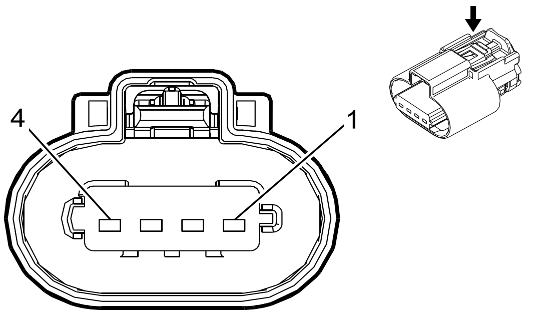
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8A Ignition Coil 1 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	350	Ground	I	—
B	0.5	BN	2129	Ignition Control Low Reference Bank 1	I	—
C	0.5	VT	2121	Ignition Control 1	I	—
D	0.8	PK	5291	Powertrain Main Relay Fused Supply 2	I	—

T8B Ignition Coil 2 (L83/L86)



3240115

Connector Part Information

Harness Type: Engine
OEM Connector: 13863211
Service Connector: 19301722
Description: 4-Way F 150 MX Series, Sealed (BK)

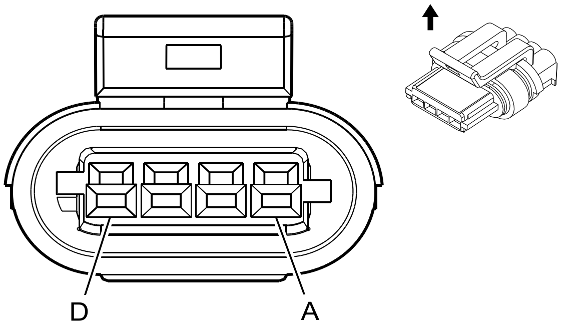
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8B Ignition Coil 2 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	—
2	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	—
3	0.5	BU/WH	2122	Ignition Control 2	I	—
4	0.75	VT/BU	5292	Powertrain Main Relay Fused Supply 3	I	—

T8B Ignition Coil 2 (L96)



1581641

Connector Part Information

Harness Type: Ignition Coil
OEM Connector: 15439568
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 150 GT Series, Sealed (BK)

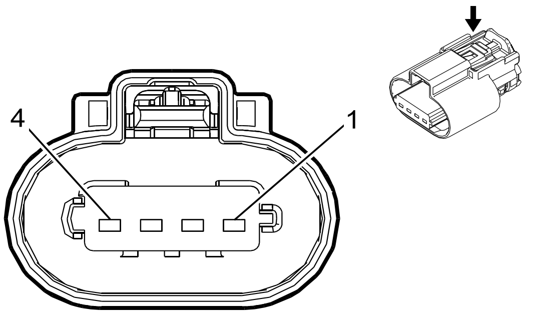
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8B Ignition Coil 2 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	151	Signal Ground	I	—
B	0.5	BN	2130	Ignition Control Low Reference Bank 2	I	—
C	0.5	RD	2122	Ignition Control 2	I	—
D	0.8	PK	5292	Powertrain Main Relay Fused Supply 3	I	—

T8C Ignition Coil 3 (L83/L86)



3240115

Connector Part Information

Harness Type: Engine
OEM Connector: 13863211
Service Connector: 19301722
Description: 4-Way F 150 MX Series, Sealed (BK)

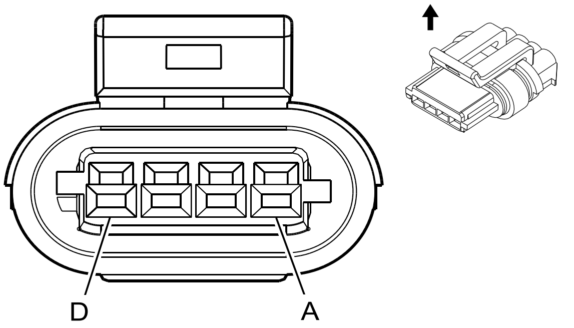
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8C Ignition Coil 3 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	—
2	0.5	BK/BU	2129	Ignition Control Low Reference Bank 1	I	—
3	0.5	GN/BU	2123	Ignition Control 3	I	—
4	0.75	VT/BU	5291	Powertrain Main Relay Fused Supply 2	I	—

T8C Ignition Coil 3 (L96)



1581641

Connector Part Information

Harness Type: Ignition Coil
OEM Connector: 15439568
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 150 GT Series, Sealed (BK)

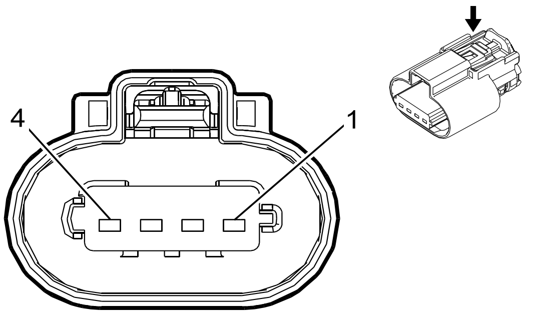
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8C Ignition Coil 3 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	350	Ground	I	—
B	0.5	BN	2129	Ignition Control Low Reference Bank 1	I	—
C	0.5	BU	2123	Ignition Control 3	I	—
D	0.8	PK	5291	Powertrain Main Relay Fused Supply 2	I	—

T8D Ignition Coil 4 (L83/L86)



3240115

Connector Part Information

Harness Type: Engine
OEM Connector: 13863211
Service Connector: 19301722
Description: 4-Way F 150 MX Series, Sealed (BK)

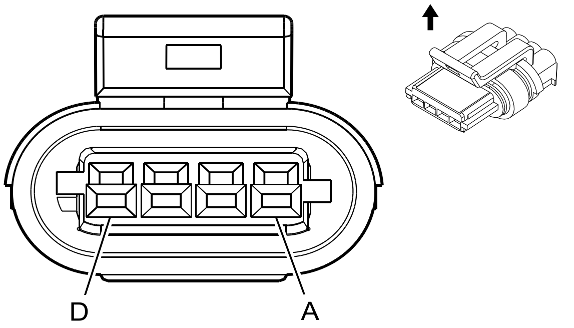
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8D Ignition Coil 4 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	—
2	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	—
3	0.5	YE/BU	2124	Ignition Control 4	I	—
4	0.75	VT/BU	5292	Powertrain Main Relay Fused Supply 3	I	—

T8D Ignition Coil 4 (L96)



1581641

Connector Part Information

Harness Type: Ignition Coil
OEM Connector: 15439568
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 150 GT Series, Sealed (BK)

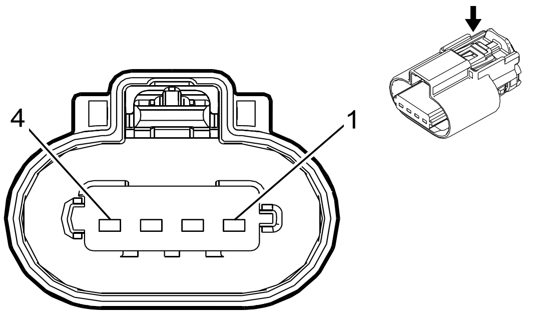
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8D Ignition Coil 4 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	350	Ground	I	—
B	0.5	BN	2130	Ignition Control Low Reference Bank 2	I	—
C	0.5	GN	2124	Ignition Control 4	I	—
D	0.8	PK	5292	Powertrain Main Relay Fused Supply 3	I	—

T8E Ignition Coil 5 (L83/L86)



3240115

Connector Part Information

Harness Type: Engine
OEM Connector: 13863211
Service Connector: 19301722
Description: 4-Way F 150 MX Series, Sealed (BK)

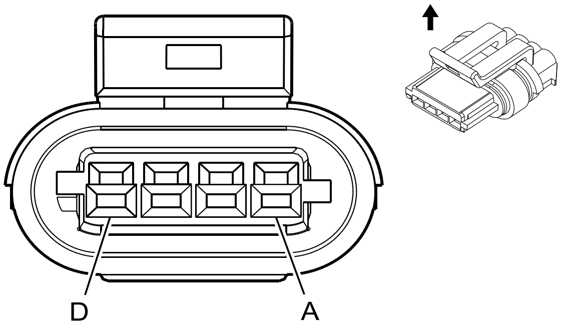
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8E Ignition Coil 5 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	—
2	0.5	BK/BU	2129	Ignition Control Low Reference Bank 1	I	—
3	0.5	BU/GY	2125	Ignition Control 5	I	—
4	0.75	VT/BU	5291	Powertrain Main Relay Fused Supply 2	I	—

T8E Ignition Coil 5 (L96)



1581641

Connector Part Information

Harness Type: Ignition Coil
OEM Connector: 15439568
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 150 GT Series, Sealed (BK)

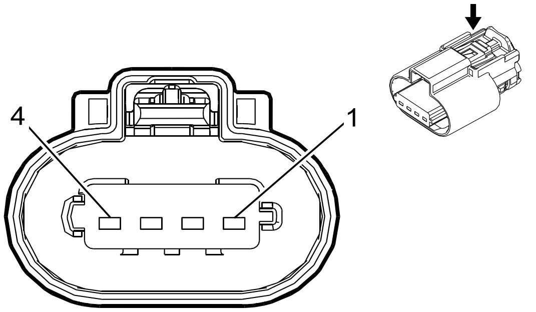
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8E Ignition Coil 5 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	350	Ground	I	—
B	0.5	BN	2129	Ignition Control Low Reference Bank 1	I	—
C	0.5	GN	2125	Ignition Control 5	I	—
D	0.8	PK	5291	Powertrain Main Relay Fused Supply 2	I	—

T8F Ignition Coil 6 (L83/L86)



3240115

Connector Part Information

Harness Type: Engine
OEM Connector: 13863211
Service Connector: 19301722
Description: 4-Way F 150 MX Series, Sealed (BK)

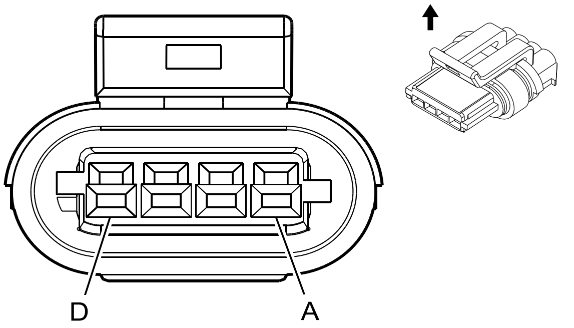
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8F Ignition Coil 6 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	—
2	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	—
3	0.5	BN/BU	2126	Ignition Control 6	I	—
4	0.75	VT/BU	5292	Powertrain Main Relay Fused Supply 3	I	—

T8F Ignition Coil 6 (L96)



1581641

Connector Part Information

Harness Type: Ignition Coil
OEM Connector: 15439568
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 150 GT Series, Sealed (BK)

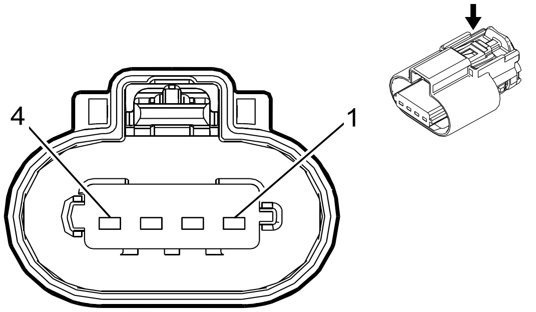
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8F Ignition Coil 6 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	350	Ground	I	—
B	0.5	BN	2130	Ignition Control Low Reference Bank 2	I	—
C	0.5	BU	2126	Ignition Control 6	I	—
D	0.5	PK	5292	Powertrain Main Relay Fused Supply 3	I	—

T8G Ignition Coil 7 (L83/L86)



3240115

Connector Part Information

Harness Type: Engine
OEM Connector: 13863211
Service Connector: 19301722
Description: 4-Way F 150 MX Series, Sealed (BK)

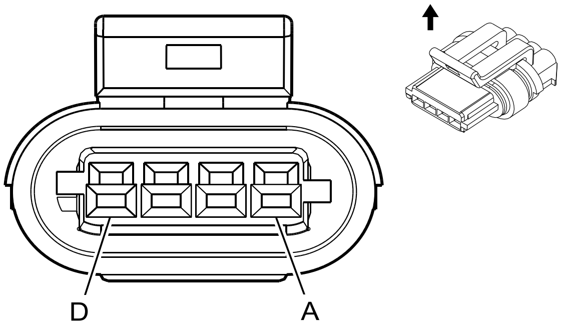
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8G Ignition Coil 7 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	—
2	0.5	BK/BU	2129	Ignition Control Low Reference Bank 1	I	—
3	0.5	GN/GY	2127	Ignition Control 7	I	—
4	0.75	VT/BU	5291	Powertrain Main Relay Fused Supply 2	I	—

T8G Ignition Coil 7 (L96)



1581641

Connector Part Information

Harness Type: Ignition Coil
OEM Connector: 15439568
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 150 GT Series, Sealed (BK)

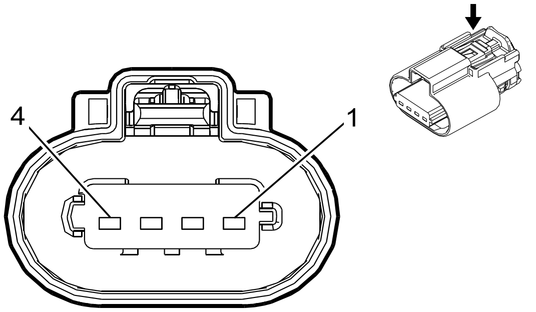
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8G Ignition Coil 7 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	350	Ground	I	—
B	0.5	BN	2129	Ignition Control Low Reference Bank 1	I	—
C	0.5	RD	2127	Ignition Control 7	I	—
D	0.8	PK	5291	Powertrain Main Relay Fused Supply 2	I	—

T8H Ignition Coil 8 (L83/L86)



3240115

Connector Part Information

Harness Type: Engine
OEM Connector: 13863211
Service Connector: 19301722
Description: 4-Way F 150 MX Series, Sealed (BK)

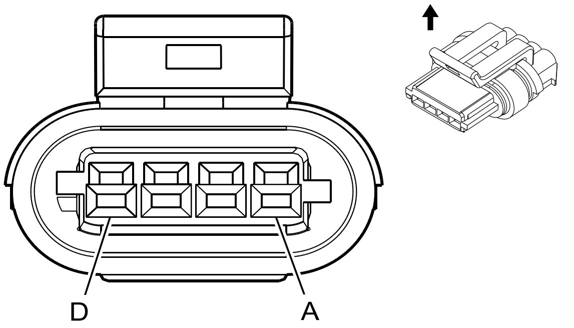
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8H Ignition Coil 8 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	—
2	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	—
3	0.5	VT/WH	2128	Ignition Control 8	I	—
4	0.75	VT/BU	5292	Powertrain Main Relay Fused Supply 3	I	—

T8H Ignition Coil 8 (L96)



1581641

Connector Part Information

Harness Type: Ignition Coil
OEM Connector: 15439568
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 150 GT Series, Sealed (BK)

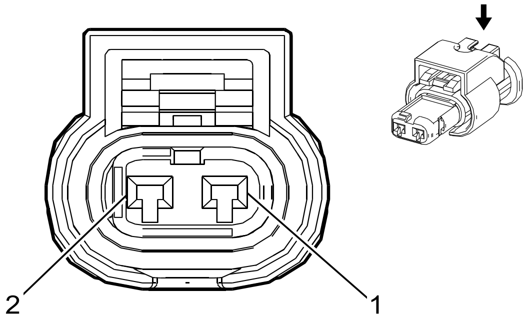
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8H Ignition Coil 8 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	350	Ground	I	—
B	0.5	BN	2130	Ignition Control Low Reference Bank 2	I	—
C	0.5	VT	2128	Ignition Control 8	I	—
D	0.8	PK	5292	Powertrain Main Relay Fused Supply 3	I	—

T10E Keyless Entry Antenna - Rear Compartment



2851901

Connector Part Information

Harness Type: Body
OEM Connector: 13761653
Service Connector: 19332213
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

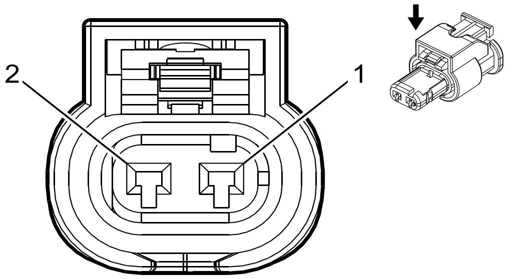
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T10E Keyless Entry Antenna - Rear Compartment

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/GN	3556	Passive Start Interior Antenna 3 Signal Hi	I	—
2	0.35	GN	3557	Passive Start Interior Antenna 3 Signal Lo	I	—

T10G Keyless Entry Antenna - Rear Fascia



2698576

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13627836
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

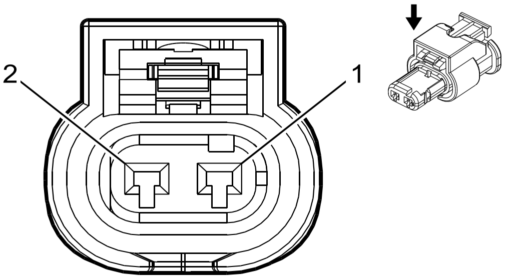
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T10G Keyless Entry Antenna - Rear Fascia

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/GN	3568	Passive Entry Rear Closure Antenna Signal Hi	I	—
2	0.5	GN/GY	3569	Passive Entry Rear Closure Antenna Signal Lo	I	—

T10J Keyless Entry Antenna - Center Console Front



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13627836
Service Connector: 13587957
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

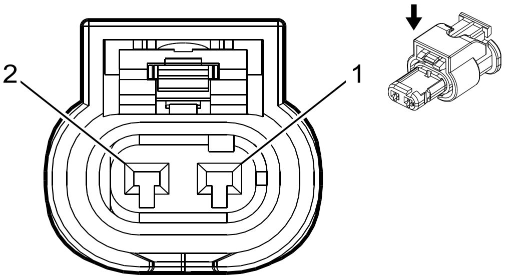
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T10J Keyless Entry Antenna - Center Console Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN/BK	3552	Passive Start Interior Antenna 1 Signal Hi	I	—
2	0.35	WH	3553	Passive Start Interior Antenna 1 Signal Lo	I	—

T10K Keyless Entry Antenna - Center Console Rear (X88/Z88)



2698576

Connector Part Information

Harness Type: Floor Console
OEM Connector: 13627836
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

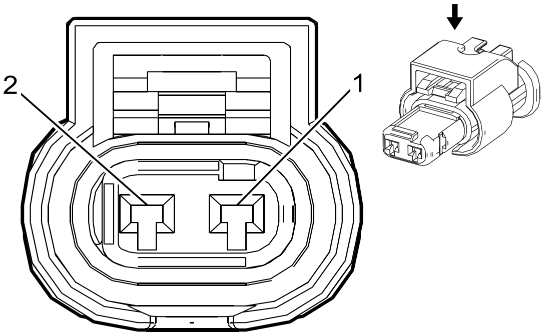
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T10K Keyless Entry Antenna - Center Console Rear (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU	3554	Passive Start Interior Antenna 2 Signal Hi	I	—
2	0.35	GY/BK	3555	Passive Start Interior Antenna 2 Signal Lo	I	—

T10K Keyless Entry Antenna - Center Console Rear (Z75)



2474752

Connector Part Information

Harness Type: Floor Console
OEM Connector: 13927761
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

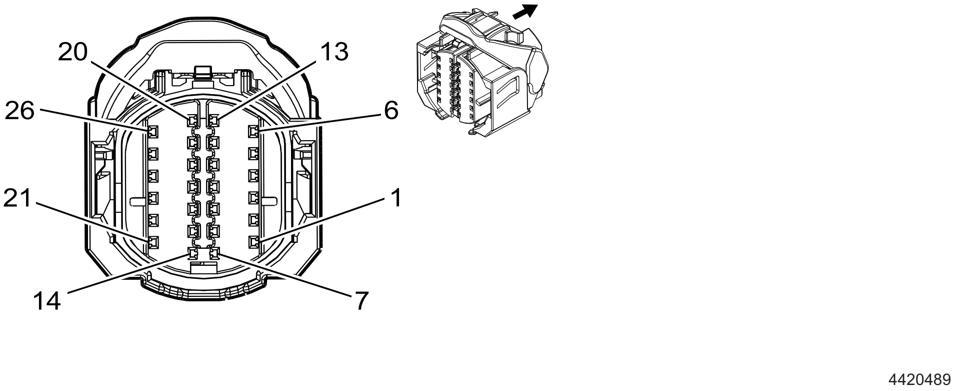
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T10K Keyless Entry Antenna - Center Console Rear (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU	3554	Passive Start Interior Antenna 2 Signal Hi	I	—
2	0.35	GY/BK	3555	Passive Start Interior Antenna 2 Signal Lo	I	—

T12 Automatic Transmission Assembly X1 (MF6)



Connector Part Information

Harness Type: Engine
OEM Connector: 33178413
Service Connector: 13596549
Description: 26-Way F 1.2 MCON-CB Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13582289	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	19367555	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

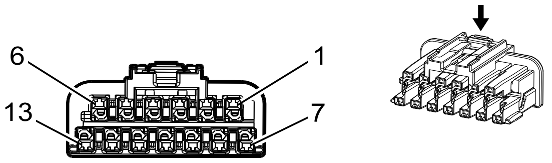
T12 Automatic Transmission Assembly X1 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/YE	6353	Input Speed Signal	I	—
2	0.5	BU/WH	4174	Transmission Speed Input Signal High	I	—
3	0.5	GN/VT	4510	Transmission Intermediate Speed Signal	I	—
4	0.5	GY/BU	6358	Output Speed Signal	I	—
5	0.5	GN/YE	5724	Ignition Mode Switch Mode Control	II	—
6	0.5	WH/BU	5726	Ignition Mode Switch Mode Control Backup	II	—
7	0.5	YE/GN	4170	Transmission Position Sensor B 9V Reference	I	—
8	0.5	YE/BU	4171	Transmission Position Sensor A 9V Reference	I	—
9	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—
10	—	—	—	Not Occupied	—	—
11	0.5	GN/GY	6387	Transmission High Side Driver 1 Signal Driver	I	—
12	0.5	BU/RD	4162	Transmission Pressure Sensor A 5V Reference	I	—
13	0.5	BN/WH	585	Transmission Oil Temperature Sensor Signal	I	—
14	0.5	BN	6400	Clutch A Control	I	—
15	0.5	BU	6401	Clutch B Control	I	—
16	0.5	GY	6402	Clutch C Control	I	—
17 - 19	—	—	—	Not Occupied	—	—
20	0.5	BK/GY	3927	IMS Mode Switch Low Reference	I	—
21	0.5	YE/BN	6404	Clutch E Control	I	—

T12 Automatic Transmission Assembly X1 (MF6) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
22	0.5	GY/GN	6403	Clutch D Control	I	—
23	0.5	VT	4509	Transmission Clutch F Control	I	—
24	0.5	WH	4508	Transmission Clutch G Control	I	—
25	0.5	WH/BU	4507	Transmission Clutch H Control	I	—
26	0.5	YE/GN	1147	Transmission Shift Inhibit Signal	I	—

T12 Automatic Transmission Assembly X2 (MF6)



Connector Part Information

Harness Type: Transmission Case
OEM Connector: 2203990-1
Service Connector: Service by Harness - See Part Catalog
Description: 13-Way F 1.2 MCON Series (BN)

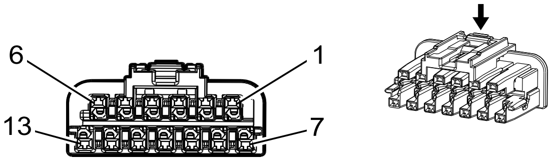
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

T12 Automatic Transmission Assembly X2 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/GY	5726	Ignition Mode Switch Mode Control Backup	I	—
2	0.5	BN/GN	5724	Ignition Mode Switch Mode Control	I	—
3	0.5	YE/OG	6358	Output Speed Signal	I	—
4	0.5	WH/BU	4510	Transmission Intermediate Speed Signal	I	—
5	0.5	VT/GN	4510	Transmission Intermediate Speed Signal	I	—
6	0.5	WH/VT	6353	Input Speed Signal	I	—
7	0.5	BN/YE	585	Transmission Oil Temperature Sensor Signal	I	—
8	0.5	YE/OG	4162	Transmission Pressure Sensor A 5V Reference	I	—
9	0.5	BN	6387	Transmission High Side Driver 1 Signal Driver	I	—
10	—	—	—	Not Occupied	—	—
11	0.5	BU/GN	6388	Transmission High Side Driver 2 Signal	I	—
12	0.5	BU	4171	Transmission Position Sensor A 9V Reference	I	—
13	0.5	GN	4170	Transmission Position Sensor B 9V Reference	I	—

T12 Automatic Transmission Assembly X3 (MF6)



4757999

Connector Part Information

Harness Type: Transmission Case
OEM Connector: 2203990-2
Service Connector: Service by Harness - See Part Catalog
Description: 13-Way F 1.2 MCON Series (BN)

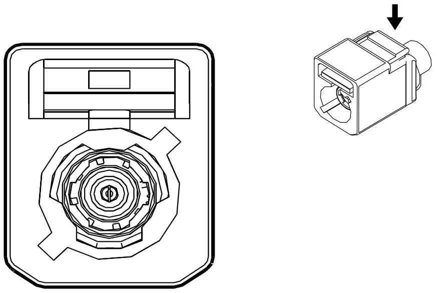
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

T12 Automatic Transmission Assembly X3 (MF6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	6404	Clutch E Control	I	—
2	0.5	YE/VT	6403	Clutch D Control	I	—
3	0.5	BU/GY	4509	Transmission Clutch F Control	I	—
4	0.5	GN/OG	4508	Transmission Clutch G Control	I	—
5	0.5	GY/BN	4507	Transmission Clutch H Control	I	—
6	0.5	BU/BN	586	Transmission Oil Temperature Sensor Low Reference	I	—
7	0.5	BU/GN	6400	Clutch A Control	I	—
8	0.5	GN/BN	6401	Clutch B Control	I	—
9	0.5	GY/OG	6402	Clutch C Control	I	—
10 - 12	—	—	—	Not Occupied	—	—
13	0.5	BN/BU	3927	IMS Mode Switch Low Reference	I	—

T15 Navigation Antenna Signal Splitter X1


3293642

Connector Part Information

Harness Type: A-Pillar COAX
OEM Connector: 13591279
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type

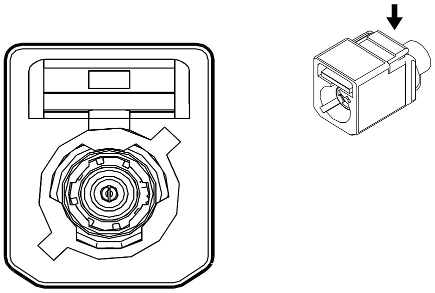
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

T15 Navigation Antenna Signal Splitter X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	I	—

T15 Navigation Antenna Signal Splitter X2



3293642

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13591281
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type

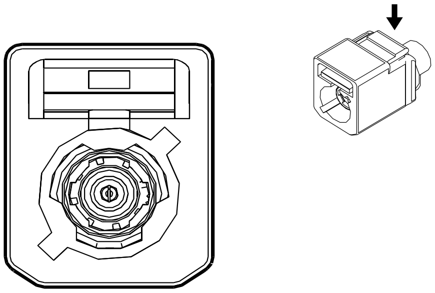
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

T15 Navigation Antenna Signal Splitter X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(DAB/DMB) Coaxial Antenna DAB Signal	I	—

T15 Navigation Antenna Signal Splitter X3



3293642

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13591270
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BU)

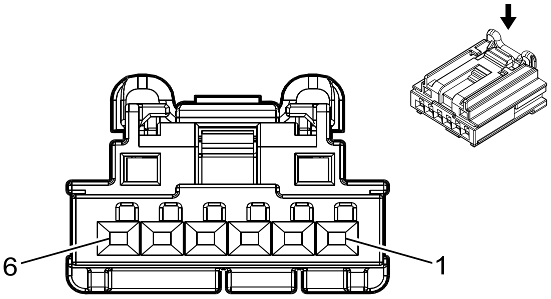
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

T15 Navigation Antenna Signal Splitter X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(GPS only) Coaxial Antenna GPS Signal	I	—

T22 Mobile Device Wireless Charger Module



3960313

Connector Part Information

Harness Type: Floor Console Extension
OEM Connector: 13920633
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Generation Y Series (BK)

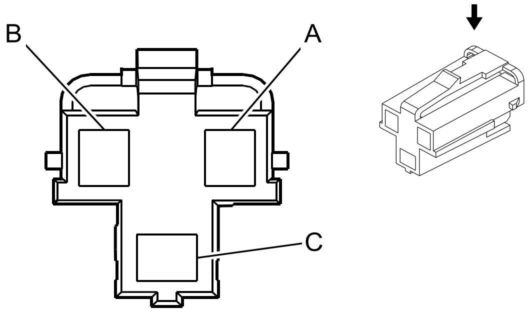
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T22 Mobile Device Wireless Charger Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/YE	43	Accessory Ignition Voltage	I	—
2	0.75	BK	1050	Ground	I	—
3	0.35	GN	4512	Wireless Charging System Charge Indicator Control	I	—
4 - 6	—	—	—	Not Occupied	—	—

X80 Accessory Power Receptacle



362748

Connector Part Information

Harness Type: Floor Console
OEM Connector: 12176836
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 280 Metri-Pack Series (GY)

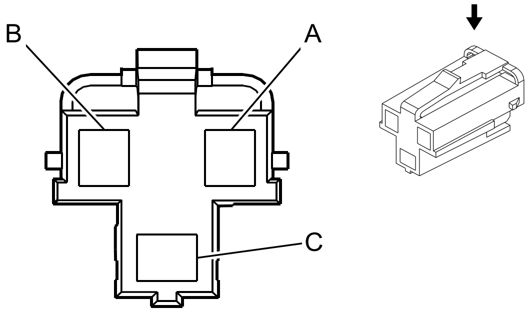
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X80 Accessory Power Receptacle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/YE	243	Accessory Ignition Voltage	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	1050	Ground	I	—

X80D Accessory Power Receptacle - Center Console Compartment (AZ3)



362748

Connector Part Information

Harness Type: Center Seat
OEM Connector: 12176836
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 280 Metri-Pack Series (GY)

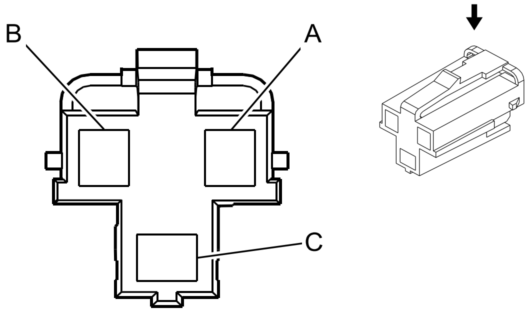
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X80D Accessory Power Receptacle - Center Console Compartment (AZ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/YE	143	Accessory Ignition Voltage	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	1250	Ground	I	—

X80D Accessory Power Receptacle - Center Console Compartment



362748

Connector Part Information

Harness Type: Floor Console
OEM Connector: 12176836
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 280 Metri-Pack Series (GY)

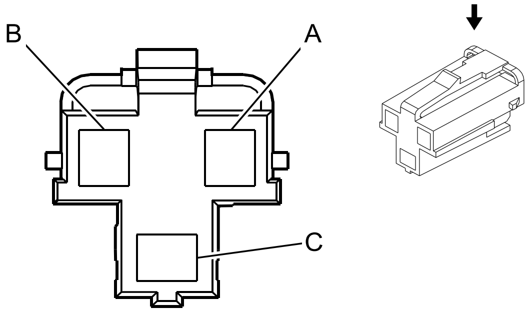
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X80D Accessory Power Receptacle - Center Console Compartment

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/YE	143	Accessory Ignition Voltage	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	1050	Ground	I	—

X80E Accessory Power Receptacle - Center Seat (AZ3)



362748

Connector Part Information

Harness Type: Center Seat
OEM Connector: 12176836
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 280 Metri-Pack Series (GY)

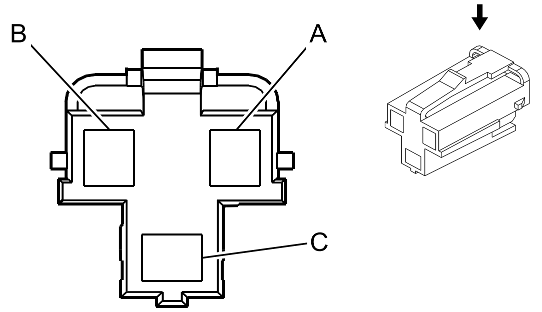
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X80E Accessory Power Receptacle - Center Seat (AZ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/YE	243	Accessory Ignition Voltage	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	1250	Ground	I	—

X80G Accessory Power Receptacle - Instrument Panel (X88/Z88+AZ3)



362748

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 12176836
Service Connector:
Description: 3-Way F 280 Metri-Pack Series (GY)

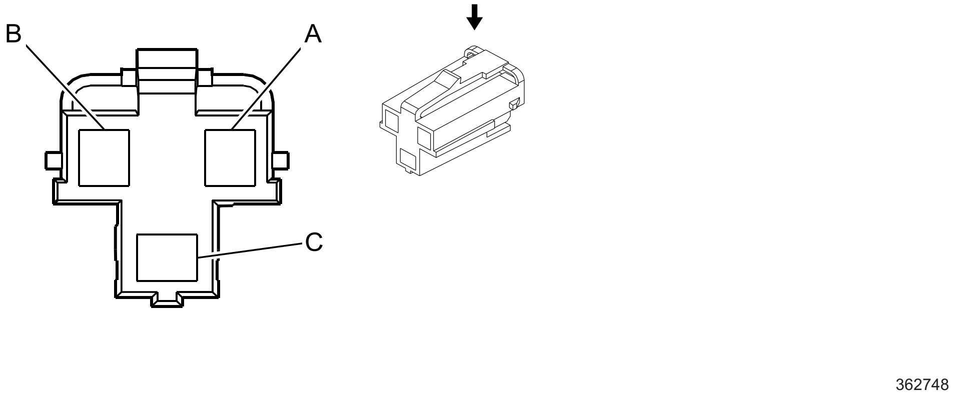
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X80G Accessory Power Receptacle - Instrument Panel (X88/Z88+AZ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	RD/BN	4240	Battery Positive Voltage	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	1050	Ground	I	—

X80G Accessory Power Receptacle - Instrument Panel (X88/Z88+D07/DCK)



Connector Part Information

Harness Type: Floor Console Extension
OEM Connector: 12176836
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 280 Metri-Pack Series (GY)

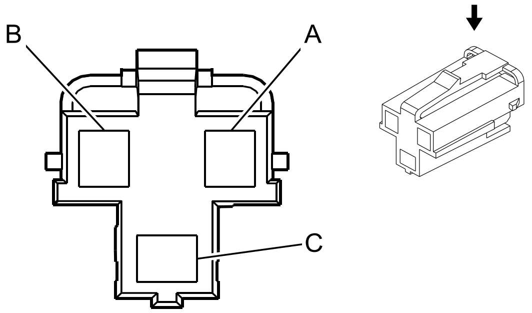
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X80G Accessory Power Receptacle - Instrument Panel (X88/Z88+D07/DCK)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	RD/WH	1040	Battery Positive Voltage	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	1050	Ground	I	—

X80G Accessory Power Receptacle - Instrument Panel (Z75)



362748

Connector Part Information

Harness Type: Floor Console
OEM Connector: 12176836
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 280 Metri-Pack Series (GY)

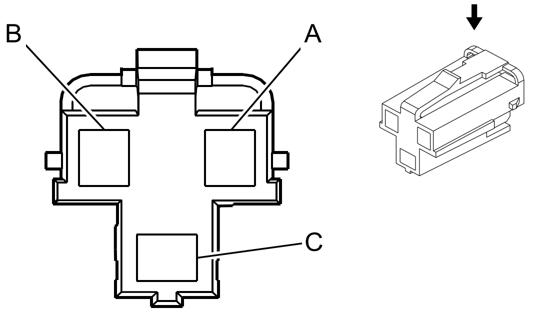
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X80G Accessory Power Receptacle - Instrument Panel (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	RD/WH	1040	Battery Positive Voltage	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	1050	Ground	I	—

X80L Accessory Power Receptacle - Center Console Rear (D07/DCK)



362748

Connector Part Information

Harness Type: Floor Console
OEM Connector: 12176836
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 280 Metri-Pack Series (GY)

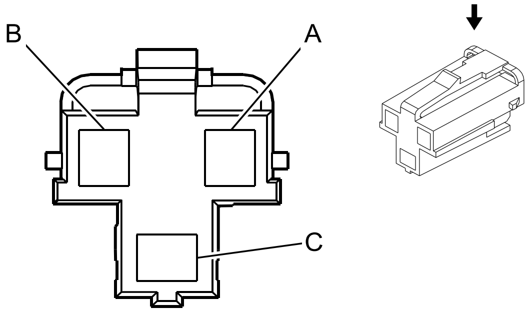
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X80L Accessory Power Receptacle - Center Console Rear (D07/DCK)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/YE	243	Accessory Ignition Voltage	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	1050	Ground	I	—

X80RL Accessory Power Receptacle - Rear Compartment Left



362748

Connector Part Information

Harness Type: Body
OEM Connector: 12176836
Service Connector: 19257374
Description: 3-Way F 280 Metri-Pack Series (GY)

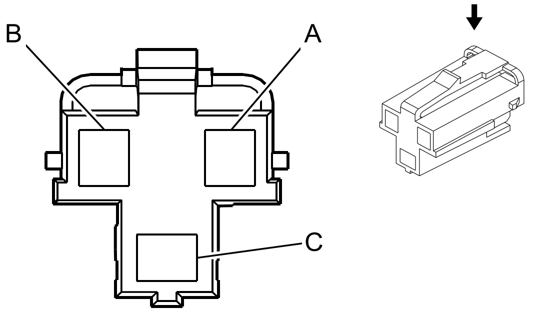
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X80RL Accessory Power Receptacle - Rear Compartment Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	RD/BU	6040	Battery Positive Voltage	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	1150	Ground	I	—

X80RR Accessory Power Receptacle - Rear Compartment Right



362748

Connector Part Information

Harness Type: Body
OEM Connector: 12176836
Service Connector: 19257374
Description: 3-Way F 280 Metri-Pack Series (GY)

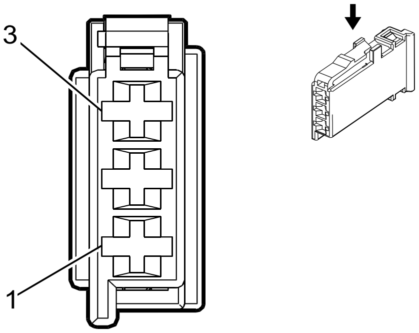
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X80RR Accessory Power Receptacle - Rear Compartment Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	RD/BU	6040	Battery Positive Voltage	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	1450	Ground	I	—

X81 Accessory Power Receptacle - 110V AC X1 (KI4+D07/DCK)



2039656

Connector Part Information

Harness Type: Floor Console
OEM Connector: 10865339
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.6 Micro-Timer Series (BK)

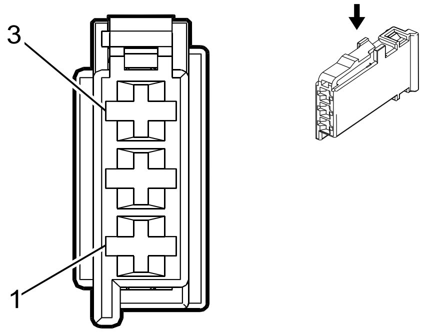
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X81 Accessory Power Receptacle - 110V AC X1 (KI4+D07/DCK)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35 0.5	VT/BN VT/BN	300 300	Run Ignition 3 Voltage Run Ignition 3 Voltage	I I	D07+KI4/KI5 D09+KI4/KI5
2	—	—	—	Not Occupied	—	—
3	0.75	BK	5683	120 V AC Phase A	I	—

X81 Accessory Power Receptacle - 110V AC X1 (KI4+AZ3)



2039656

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 10865339
Service Connector: 93186706
Description: 3-Way F 1.6 Micro-Timer Series (BK)

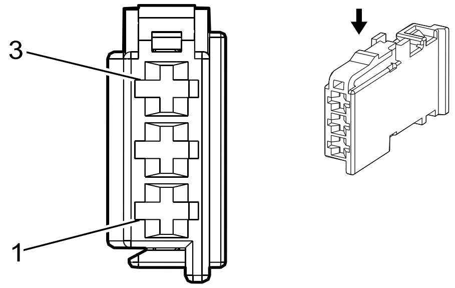
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X81 Accessory Power Receptacle - 110V AC X1 (KI4+AZ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BN	300	Run Ignition 3 Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	1.5	BK	5683	120 V AC Phase A	I	—

X81 Accessory Power Receptacle - 110V AC X2 (KI4+D07/DCK)



2236412

Connector Part Information

Harness Type: Floor Console
OEM Connector: 13648774
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.6 Timer Series, Sealed (GY)

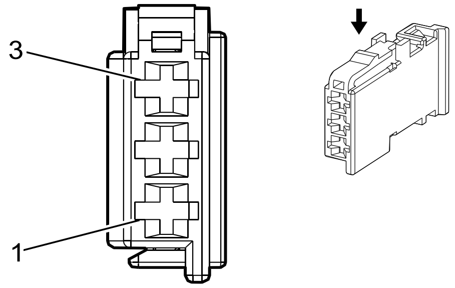
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X81 Accessory Power Receptacle - 110V AC X2 (KI4+D07/DCK)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU/BN	6807	DC To AC Inverter Control	I	—
2	—	—	—	Not Occupied	—	—
3	0.75	RD	5684	120 V AC Phase B	I	—

X81 Accessory Power Receptacle - 110V AC X2 (KI4+AZ3)



2236412

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13648774
Service Connector: 13583924
Description: 3-Way F 1.6 Timer Series, Sealed (GY)

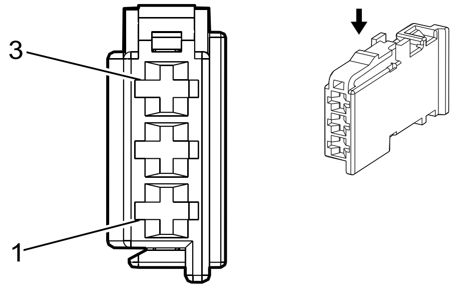
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X81 Accessory Power Receptacle - 110V AC X2 (KI4+AZ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU/BN	6807	DC To AC Inverter Control	I	—
2	—	—	—	Not Occupied	—	—
3	1.5	RD	5684	120 V AC Phase B	I	—

X81B Accessory Power Receptacle - 220V AC X2 (AZ3+KI5)



2236412

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13648774
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.6 Timer Series, Sealed (GY)

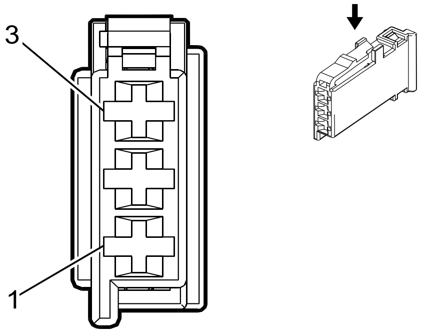
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X81B Accessory Power Receptacle - 220V AC X2 (AZ3+KI5)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU/BN	6807	DC To AC Inverter Control	I	—
2	—	—	—	Not Occupied	—	—
3	1.5	RD	5684	220 VAC Phase B	I	—

X81B Accessory Power Receptacle - 220V AC X1 (KI5)



2039656

Connector Part Information

Harness Type: Floor Console
OEM Connector: 10865339
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.6 Micro-Timer Series (BK)

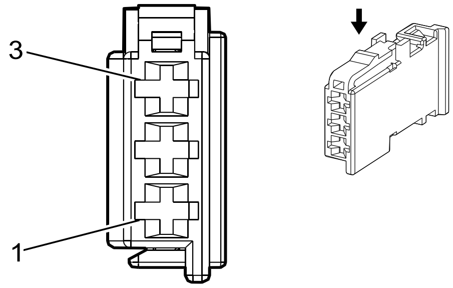
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X81B Accessory Power Receptacle - 220V AC X1 (KI5)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35 0.5	VT/BN VT/BN	300 300	Run Ignition 3 Voltage Run Ignition 3 Voltage	I I	D07+KI4/KI5 D09+KI4/KI5
2	—	—	—	Not Occupied	—	—
3	0.75	BK	5683	120 V AC Phase A	I	—

X81B Accessory Power Receptacle - 220V AC X2 (KI5)



2236412

Connector Part Information

Harness Type: Floor Console
OEM Connector: 13648774
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.6 Timer Series, Sealed (GY)

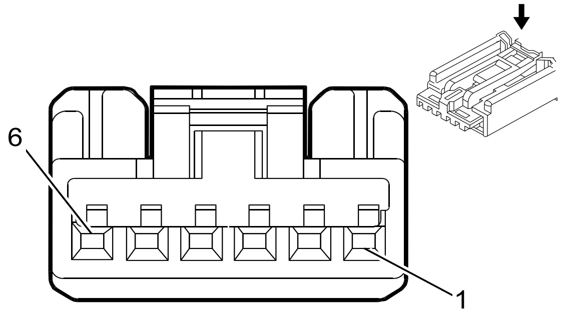
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X81B Accessory Power Receptacle - 220V AC X2 (KI5)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BU/BN	6807	DC To AC Inverter Control	I	—
2	—	—	—	Not Occupied	—	—
3	0.75	RD	5684	120 V AC Phase B	I	—

X82 Audio/Video Input Adapter X1 (U42)



1862240

Connector Part Information

Harness Type: Floor Console
OEM Connector: 13595476
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

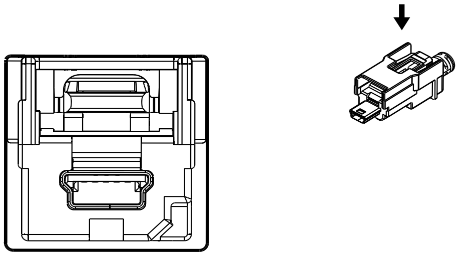
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X82 Audio/Video Input Adapter X1 (U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/WH	3355	Left Rear Seat Audio Headphone Signal	I	—
2	0.35	BN/GY	3357	Right Rear Seat Audio Headphone Signal	I	—
3	0.35	BU/VT	3356	Rear Seat Audio Headphone Common Signal	I	—
4	0.75 0.35	BK BK	2550 2550	Ground Ground	I I	U42 -U42
5	—	—	—	Not Occupied	—	—
6	0.75	RD/VT	340	Battery Positive Voltage	I	—

X82 Audio/Video Input Adapter X2 (U42)



Connector Part Information

Harness Type: Floor Console USB
OEM Connector: 13584746
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (BK)

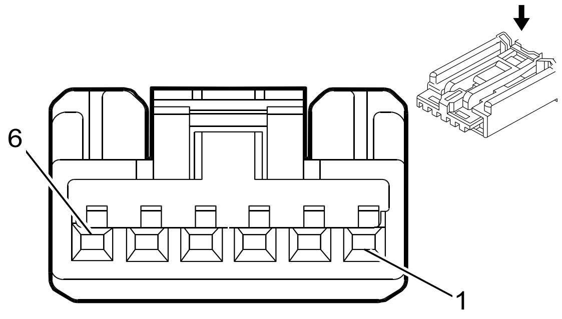
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X82 Audio/Video Input Adapter X2 (U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	USB	—	USB Serial Data	I	—

X83 Auxiliary Audio Input X1 ((DCK)/(D07+IO5/IO6))



1862240

Connector Part Information

Harness Type: Floor Console
OEM Connector: 13595476
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

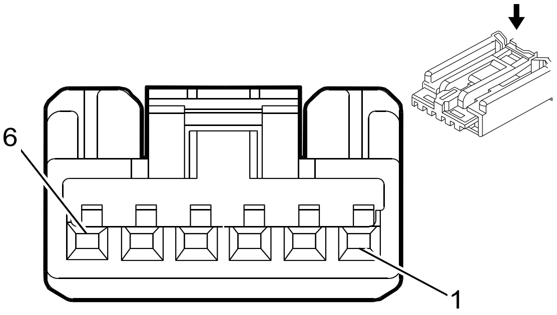
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X83 Auxiliary Audio Input X1 ((DCK)/(D07+IO5/IO6))

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	5839	Left Auxiliary Audio Signal 2	I	—
2	0.35	GN	5841	Right Auxiliary Audio Signal 2	I	—
3	0.35	VT	5843	Auxiliary Audio Common Signal	I	—
4	0.75 0.35	BK BK	2550 2550	Ground Ground	I I	U42 -U42
5	0.35	BU	2060	Auxiliary Detection Signal	I	—
6	0.75	RD/VT	340	Battery Positive Voltage	I	—

X83 Auxiliary Audio Input X1 (AZ3)



Connector Part Information

Harness Type: Center Seat
OEM Connector: AIT2PB-06-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

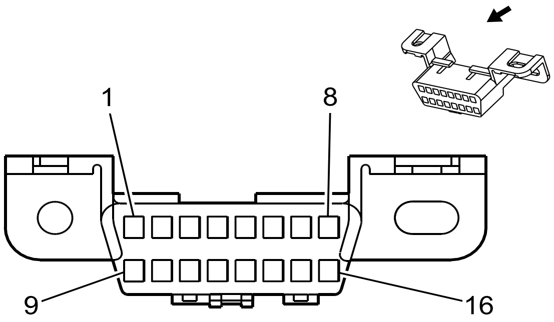
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X83 Auxiliary Audio Input X1 (AZ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	5839	Left Auxiliary Audio Signal 2	I	—
2	0.35	GN	5841	Right Auxiliary Audio Signal 2	I	—
3	0.35	VT	5843	Auxiliary Audio Common Signal	I	—
4	0.35	BK	2550	Ground	I	—
5	0.35	BU	2060	Auxiliary Detection Signal	I	—
6	0.75	RD/VT	340	Battery Positive Voltage	I	—

X84 Data Link Connector



68793

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 12110250
Service Connector: 12110250
Description: 16-Way F 150 Metri-Pack Series (BK)

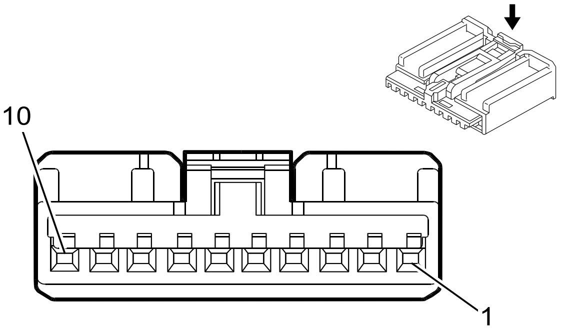
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575725	J-35616-14 (GN)	J-38125-12A	12129484	Delphi 19	E	A
II	13575725	J-35616-14 (GN)	J-38125-12A	12129484	Delphi 19	E	C

X84 Data Link Connector

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—
2	—	—	—	Not Occupied	—	—
3	0.5	BU/VT	3813	High Speed GMLAN Serial Data (+) 4	II	—
4	1	BK	1050	Ground	I	—
5	0.75	BK/WH	1851	Signal Ground	I	—
6	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
7 - 10	—	—	—	Not Occupied	—	—
11	0.5	WH	3811	High Speed GMLAN Serial Data (-) 4	II	—
12	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) 2	II	—
13	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	II	—
14	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
15	—	—	—	Not Occupied	—	—
16	0.5	RD/WH	640	Battery Positive Voltage	II	—

X85 Steering Wheel Air Bag Coil X1



1862241

Connector Part Information

Harness Type: Steering Column
OEM Connector: 15269795
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 Kaizen Series (BK)

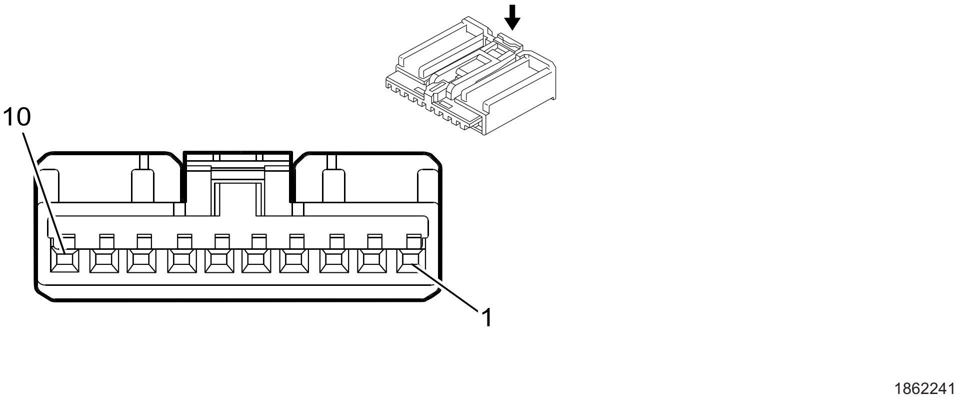
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X85 Steering Wheel Air Bag Coil X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/YE	3040	Battery Positive Voltage	I	—
2	0.5	GN/BK	3894	Local Interconnect Network Serial Data Bus 12	I	—
3	—	—	—	Not Occupied	—	—
4	0.5	GY/GN	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	—
5	0.5	BN	6136	Control	I	—
6	0.5	WH/RD	1444	12V Reference	I	—
7	—	—	—	Not Occupied	—	—
8	0.5	BN/GN	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	—
9	0.5	BK	1050	Ground	I	—
10	0.5	GN/WH	3287	Horn Switch Signal	I	—

X85 Steering Wheel Air Bag Coil X2



Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 15269795
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 Kaizen Series (BK)

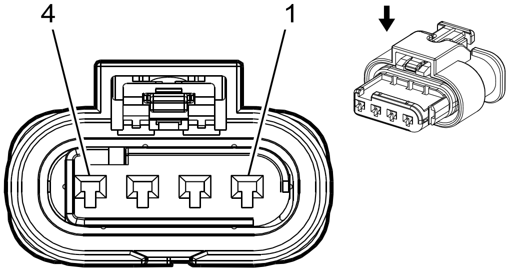
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X85 Steering Wheel Air Bag Coil X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/WH	3287	Horn Switch Signal	I	—
2	0.35	WH	1444	12V Reference	I	—
3	0.35	BN/YE	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	WH	1444	12V Reference	I	—
6	0.35	YE	6136	Control	I	—
7	0.35	GY/OG	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	—
8	—	—	—	Not Occupied	—	—
9	0.35	GN/BK	3894	Local Interconnect Network Serial Data Bus 12	I	—
10	0.35	RD/YE	3040	Battery Positive Voltage	I	—

X85 Steering Wheel Air Bag Coil X3



2684560

Connector Part Information

Harness Type: Body
OEM Connector: 13854531
Service Connector: 13586137
Description: 4-Way F 1.2 Series, Sealed (YE)

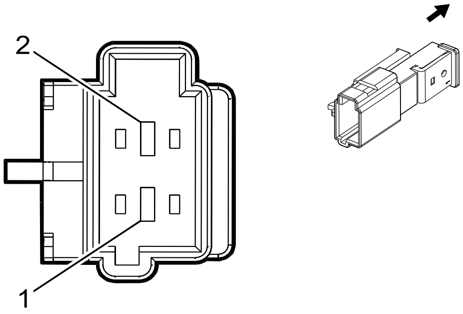
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X85 Steering Wheel Air Bag Coil X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/VT	3021	Steering Wheel Module Stage 1 High Control	I	—
2	0.35	BN/OG	3020	Steering Wheel Module Stage 1 Low Control	I	—
3	0.35	OG/GN	3023	Steering Wheel Module Stage 2 High Control	I	—
4	0.35	WH/OG	3022	Steering Wheel Module Stage 2 Low Control	I	—

X85 Steering Wheel Air Bag Coil X4 (UVD)



2339581

Connector Part Information

Harness Type: Steering Wheel Air Bag Coil
OEM Connector: 19179872
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.6 Timer Series (BK)

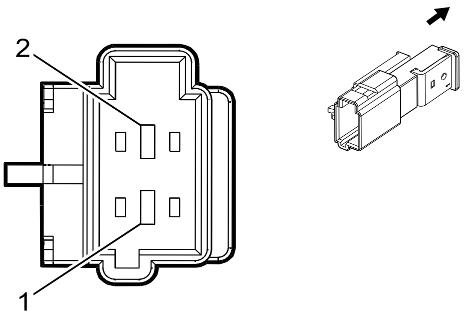
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X85 Steering Wheel Air Bag Coil X4 (UVD)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD	1139	Run/Crank Ignition 1 Voltage	I	X88/Z88
	0.5	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	Z75
2	0.75	BK	1050	Ground	I	X88/Z88
	0.5	BK	1050	Ground	I	Z75

X85 Steering Wheel Air Bag Coil X5 (UVD)



2339581

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 19179872
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.6 Timer Series (BK)

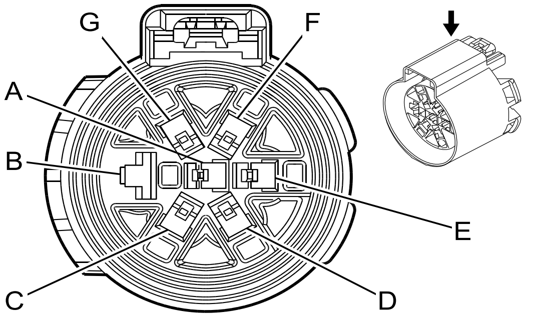
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X85 Steering Wheel Air Bag Coil X5 (UVD)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	—
2	—	BK	1050	Ground	I	—

X88 Trailer Connector



2056936

Connector Part Information

Harness Type: Chassis
OEM Connector: 13857223
Service Connector: 13583927
Description: 7-Way F 280, 630 Metri-Pack Series, Sealed (BK)

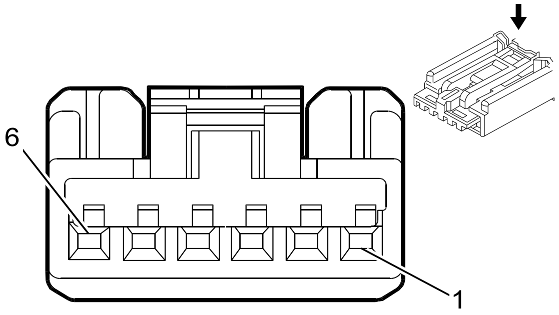
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X88 Trailer Connector

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	WH/GN	1624	Trailer Backup Lamp Control	II	—
B	5	WH	22	Trailer Ground	I	—
C	2.5	BU	47	Trailer Auxiliary Control	II	—
D	0.75	GN/VT	1619	Right Rear Trailer Stop/Turn Lamp Control	II	—
E	4	RD/GN	742	Battery Positive Voltage	II	—
F	1.5	GY/BN	2109	Trailer Park Lamp Control	II	—
G	0.75	YE/GY	1618	Left Rear Trailer Stop/Turn Lamp Control	II	—

X92 USB Receptacle X1 (X88/Z88)



1862240

Connector Part Information

Harness Type: Floor Console Extension
OEM Connector: 13595476
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

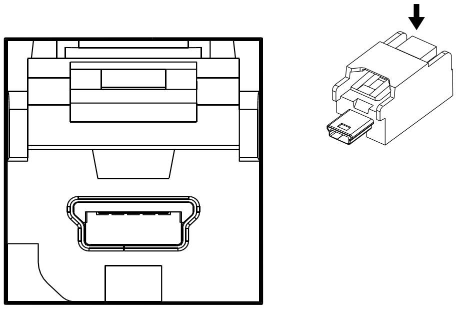
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X92 USB Receptacle X1 (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 3	—	—	—	Not Occupied	—	—
4	0.35	BK	2550	Ground	I	—
5	—	—	—	Not Occupied	—	—
6	0.75	RD/VT	340	Battery Positive Voltage	I	—

X92 USB Receptacle X2 (X88/Z88)



3214018

Connector Part Information

Harness Type: Floor Console Extension USB
OEM Connector: 13868840
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (GY)

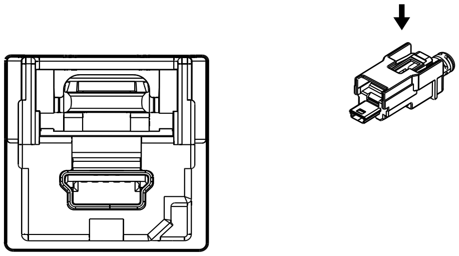
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X92 USB Receptacle X2 (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	USB	—	USB Serial Data	I	—

X92 USB Receptacle X3 (X88/Z88)



2807425

Connector Part Information

Harness Type: Floor Console Extension USB
OEM Connector: 13868727
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (BK)

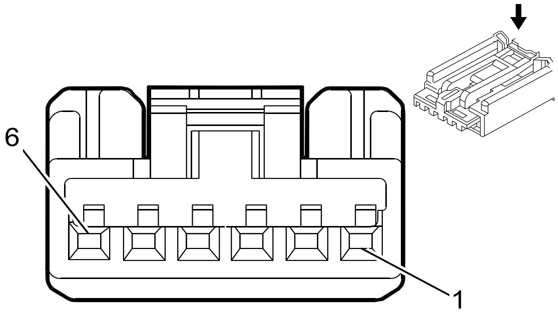
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X92 USB Receptacle X3 (X88/Z88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	USB	—	USB Serial Data	I	—

X92 USB Receptacle X1 (Z75)



1862240

Connector Part Information

Harness Type: Floor Console
OEM Connector: 13595476
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

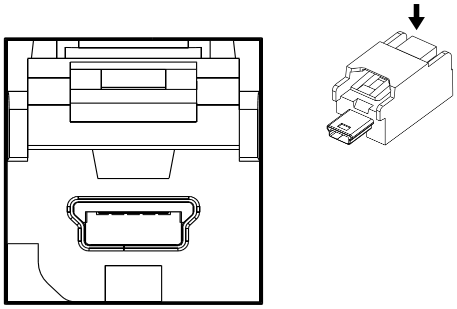
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X92 USB Receptacle X1 (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 3	—	—	—	Not Occupied	—	—
4	0.75	BK	2550	Ground	I	—
5	—	—	—	Not Occupied	—	—
6	0.75	RD/VT	340	Battery Positive Voltage	I	—

X92 USB Receptacle X2 (Z75)



3214018

Connector Part Information

Harness Type: Floor Console USB
OEM Connector: 13868840
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (GY)

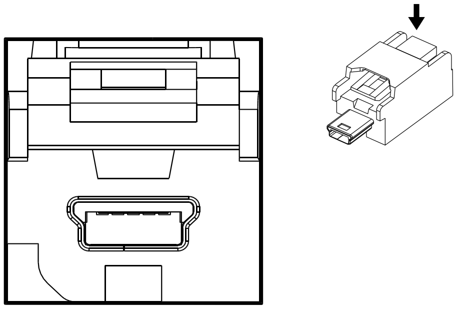
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X92 USB Receptacle X2 (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	USB	—	USB Serial Data	I	—

X92 USB Receptacle X3 (Z75)



3214018

Connector Part Information

Harness Type: Floor Console USB
OEM Connector: 13868840
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (GY)

Terminal Part Information

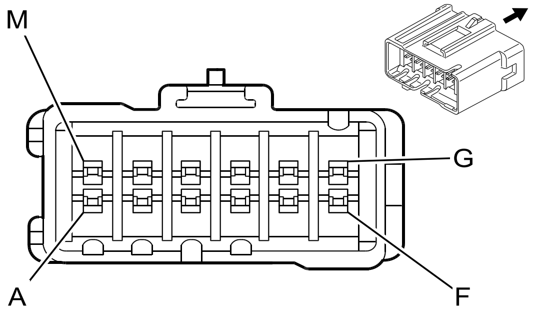
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X92 USB Receptacle X3 (Z75)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	USB	—	USB Serial Data	I	—

Splice Pack Connector End Views

JX200 Splice Pack



831366

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15305291
Service Connector: 15305291
Description: 12-Way F 280 Metri-Pack Series (BK)

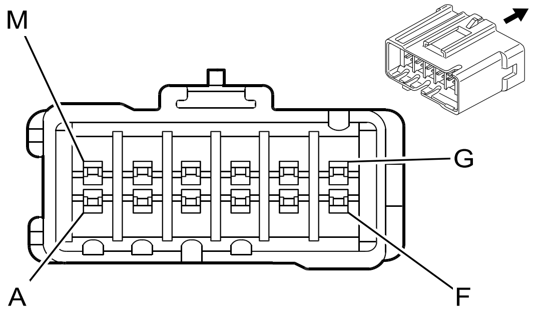
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575721	J-35616-4A (PU)	J-38125-553	12110844	Delphi 4	E	4
II	13575721	J-35616-4A (PU)	J-38125-553	12110844	Delphi 4	E	A

JX200 Splice Pack

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—
B	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—
C - D	—	—	—	Not Occupied	—	—
E	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—
F - H	—	—	—	Not Occupied	—	—
J	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—
K	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—
L	—	—	—	Not Occupied	—	—
M	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—

JX300 Splice Pack



831366

Connector Part Information

Harness Type: Body
OEM Connector: 15305291
Service Connector: 15305291
Description: 12-Way F 280 Metri-Pack Series (BK)

Terminal Part Information

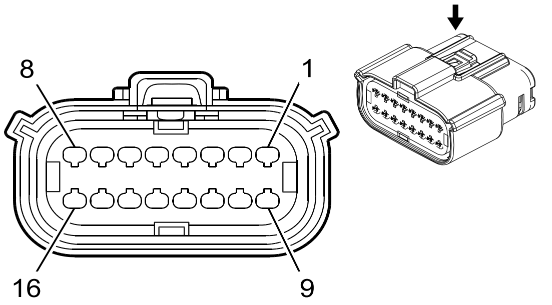
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575721	J-35616-4A (PU)	J-38125-553	12110844	Delphi 4	E	4
II	13575721	J-35616-4A (PU)	J-38125-553	12110844	Delphi 4	E	A

JX300 Splice Pack

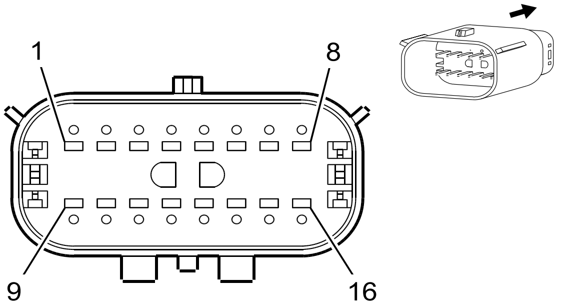
Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—
B	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—
C	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—
D	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—
E	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—
F	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—
G	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—
H	—	—	—	Not Occupied	—	—
J	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—
K	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—
L	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—
M	0.5	GN	5060	Low Speed GMLAN Serial Data	II	—

Inline Harness Connector End Views

X100 Front Fascia Harness to Forward Lamp Harness (X88/Z88)



2548389



2548390

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13778557
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 15533030
Service Connector: 19300393
Description: 16-Way M 150 MX Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	19119440	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

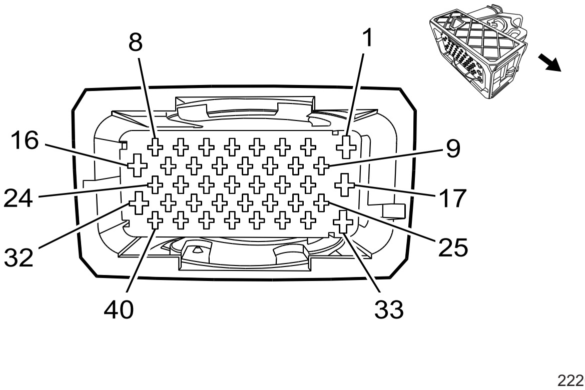
X100 Front Fascia Harness to Forward Lamp Harness (X88/Z88)

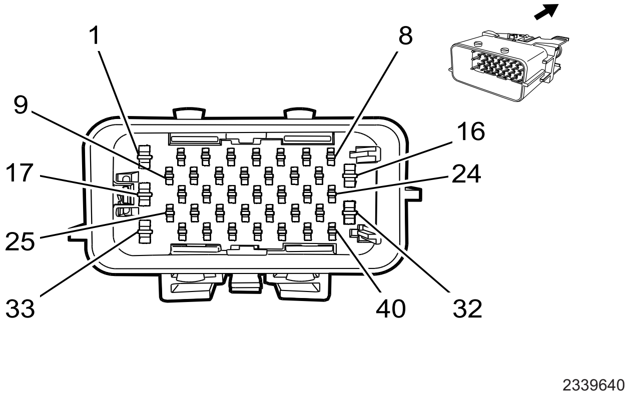
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	BK	150	I	—	Ground	1	0.75	BK	150	II	—
2	0.5	BK	250	I	—	Ground	2	1	BK	250	II	—
3	0.5	BN/ VT	2234	I	—	Front Fog Lamp Control	3	0.5	BN/ VT	2234	II	—
4	0.5	YE/ GN	5213	I	—	Front Parking Left/Right/ Mid Sensor	4	0.5	YE/ VT	5213	II	—
5	0.5	VT/ WH	5215	I	—	Front Parking Left Corner Sensor	5	0.5	VT/ WH	5215	II	—
6	0.5	YE/ GY	5216	I	—	Front Parking Left Mid Sensor	6	0.5	YE/ GY	5216	II	—
7	0.5	WH/ GY	5217	I	—	Front Parking Right Corner Sensor	7	0.5	WH/ GY	5217	II	—
8 - 9	—	—	—	—	—	Not Occupied	8 - 9	—	—	—	—	—
10	0.5	VT/ GY	5218	I	—	Front Parking Right Mid Sensor	10	0.5	VT/ GY	5218	II	—

X100 Front Fascia Harness to Forward Lamp Harness (X88/Z88) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
11	0.5	BK/ BU	5214	I	—	Front Parking Sensor Low Reference	11	0.5	BK/ BU	5214	II	—
12 - 16	—	—	—	—	—	Not Occupied	12 - 16	—	—	—	—	—

X100 Front Fascia Harness to Forward Lamp Harness (Z75)





Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13603185
Service Connector: Service by Harness - See Part Catalog
Description: 40-Way F 1.5, 2.8 Series, Sealed (BK)

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13603208
Service Connector: 13576551
Description: 40-Way M 1.5 DSQ, 2.8 ATS Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
III	19331731	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X100 Front Fascia Harness to Forward Lamp Harness (Z75)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.5	YE/ GY	57	I	—	Left Cornering Lamp Control	2	0.5	YE/ GY	57	II	—
3	0.5	YE/ WH	58	I	—	Right Cornering Lamp Control	3	0.5	YE/ WH	58	II	—
4	0.5	YE/ GN	5213	I	—	Front Parking Left/Right/ Mid Sensor	4	0.5	YE/ VT	5213	II	—
5	0.5	VT/ WH	5215	I	—	Front Parking Left Corner Sensor	5	0.5	VT/ WH	5215	II	—
6	0.5	YE/ GY	5216	I	—	Front Parking Left Mid Sensor	6	0.5	YE/ GY	5216	II	—
7	0.5	WH/ GY	5217	I	—	Front Parking Right Corner Sensor	7	0.5	WH/ GY	5217	II	—
8	0.75	GY/ BU	7538	I	—	Left Front DRL Control	8	0.75	GY/ BU	7538	II	—

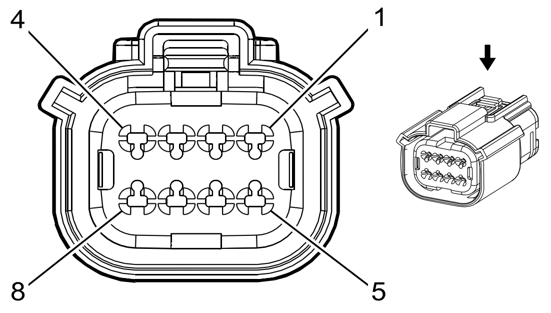
X100 Front Fascia Harness to Forward Lamp Harness (Z75) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
9	0.75	VT/ GY	709	I	—	Left Park Lamp Control	9	0.5	VT/ GY	709	II	—
10	0.5	VT/ GY	5218	I	—	Front Parking Right Mid Sensor	10	0.5	VT/ GY	5218	II	—
11	0.5	BK/ BU	5214	I	—	Front Parking Sensor Low Reference	11	0.5	BK/ BU	5214	II	—
12	0.5	BU/ VT	3813	I	—	High Speed GMLAN Serial Data (+) 4	12	0.5	BU/ VT	3813	II	—
13	0.5	WH	3811	I	—	High Speed GMLAN Serial Data (-) 4	13	0.5	WH	3811	II	—
14	0.5	BU/ VT	3813	I	—	High Speed GMLAN Serial Data (+) 4	14	0.5	BU/ VT	3813	II	—
15	0.5	WH	3811	I	—	High Speed GMLAN Serial Data (-) 4	15	0.5	WH	3811	II	—
16 - 17	—	—	—	—	—	Not Occupied	16 - 17	—	—	—	—	—
18	0.75	BU/ BN	7539	I	—	Right Front DRL Control	18	0.75	BU/ BN	7539	II	—
19	0.5	GY/ VT	3808	I	—	Front Object Sensor Control 2	19	0.5	GY/ VT	3808	II	—
20	0.5	GY	3154	I	—	Left Front Supplemental Object Sensor Signal	20	0.5	GY	3154	II	—
21	0.75	BU/ WH	1314	I	—	Left Front Turn Signal Lamp Control	21	0.75	BU/ WH	1314	II	—
22	0.5	GN	3155	I	—	Right Front Supplemental Object Sensor Signal	22	0.5	GN	3155	II	—
23	0.75	GN/ VT	1315	I	—	Right Front Turn Signal Lamp Control	23	0.75	GN/ VT	1315	II	—
24	0.75	GY/ BN	309	I	—	Right Park Lamp Control	24	0.5	GY/ BN	309	II	—
25	0.75	BK	150	I	—	Ground	25	0.75	BK	150	II	—
26	0.75	BK	250	I	—	Ground	26	1	BK	250	III	—
27	0.35	BK/ WH	2551	I	—	Signal Ground	27	0.5	BK/ WH	2551	II	—
28	0.35	BK	3371	I	—	Video Low Reference 2	28	0.5	BK	3371	II	—

X100 Front Fascia Harness to Forward Lamp Harness (Z75) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
29	0.35	BU	3373	I	—	Auxiliary Video High Signal 2	29	0.5	BU	3373	II	—
30	0.35	GY	3372	I	—	Auxiliary Video Low Signal 2	30	0.5	GY	3372	II	—
31	0.5	WH/BN	6201	I	—	Camera Control	31	0.5	WH/BN	6201	II	—
32 - 33	—	—	—	—	—	Not Occupied	32 - 33	—	—	—	—	—
34	0.5	BK	9001	I	—	Daytime Running Lamp Diagnostic Signal	34	—	—	—	—	—
35	0.5	BK	9000	I	—	Daytime Running Lamp Diagnostic Signal	35	—	—	—	—	—
36 - 40	—	—	—	—	—	Not Occupied	36 - 40	—	—	—	—	—

X101 Front Fascia Harness to Left Multifunction Lamp Harness



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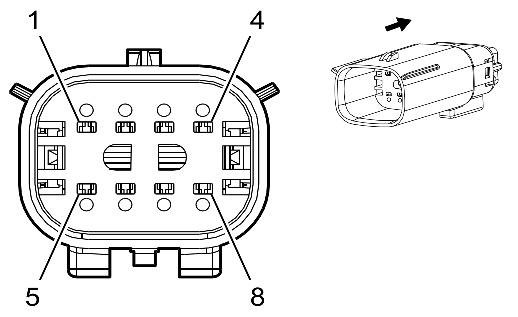


2667653

Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13654393
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Left Multifunction Lamp
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way M

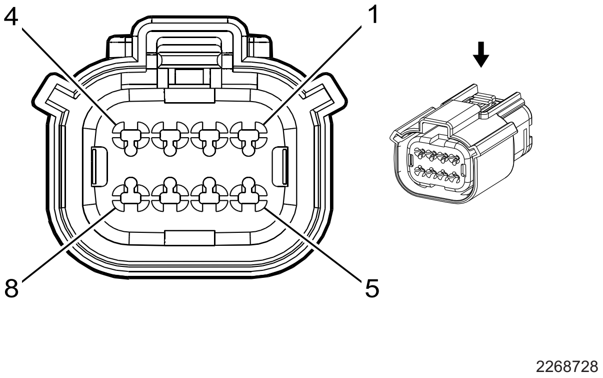
Terminal Part Information

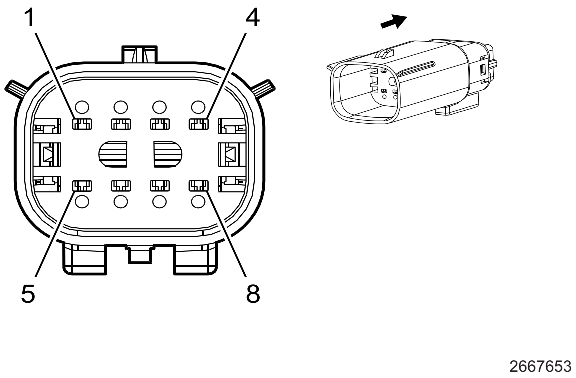
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X101 Front Fascia Harness to Left Multifunction Lamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BK	150	I	—	Ground	1	0.75	BK	150	II	—
2	0.75	BU/WH	1314	I	—	Left Front Turn Signal Lamp Control	2	0.75	BU/WH	1314	II	—
3	0.75	VT/GY	709	I	—	Left Park Lamp Control	3	0.75	VT/GY	709	II	—
4	0.75	GY/BU	7538	I	—	Left Front DRL Control	4	0.75	GY/BU	7538	II	—
5	0.5	BK	9001	I	—	Daytime Running Lamp Diagnostic Signal	5	0.5	BK	9001	II	—
6	0.5	YE/GY	57	I	—	Left Cornering Lamp Control	6	0.5	YE/GY	57	II	—
7 - 8	—	—	—	—	—	Not Occupied	7 - 8	—	—	—	—	—

X104 Front Fascia Harness to Right Multifunction Lamp Harness





Connector Part Information

Harness Type: Front Fascia
OEM Connector: 13654393
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Right Multifunction Lamp
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way M

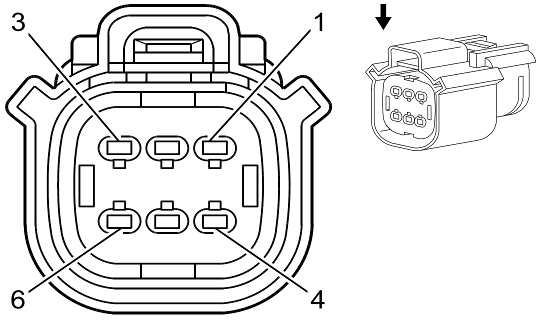
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X104 Front Fascia Harness to Right Multifunction Lamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BK	250	I	—	Ground	1	0.75	BK	250	II	—
2	0.75	GN/VT	1315	I	—	Right Front Turn Signal Lamp Control	2	0.75	GN/VT	1315	II	—
3	0.75	GY/BN	309	I	—	Right Park Lamp Control	3	0.75	GY/BN	309	II	—
4	0.75	BU/BN	7539	I	—	Right Front DRL Control	4	0.75	BU/BN	7539	II	—
5	0.5	BK	9000	I	—	Daytime Running Lamp Diagnostic Signal	5	0.5	BK	9000	II	—
6	0.5	YE/WH	58	I	—	Right Cornering Lamp Control	6	0.5	YE/WH	58	II	—
7 - 8	—	—	—	—	—	Not Occupied	7 - 8	—	—	—	—	—

X106 Aero Shutter Jumper Harness to Forward Lamp Harness



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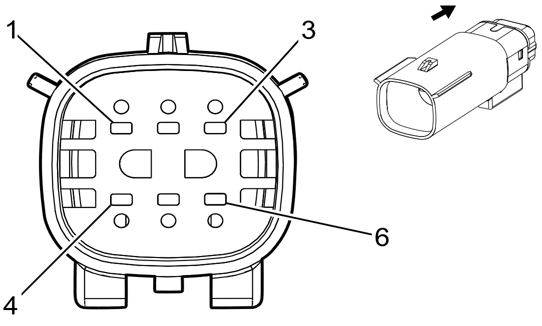

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Connector Part Information

Harness Type: Aero Shutter Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 15457002
Service Connector: 13576414
Description: 6-Way M 150 MX Series, Sealed (BK)

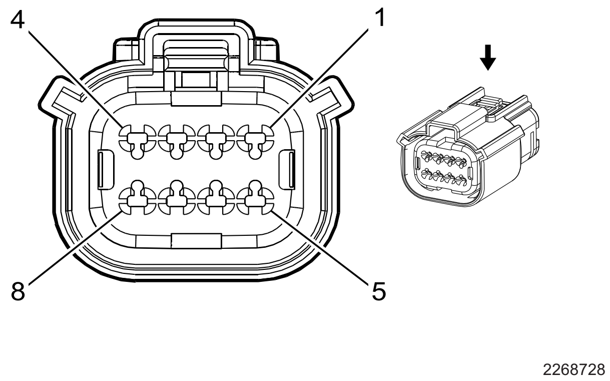
Terminal Part Information

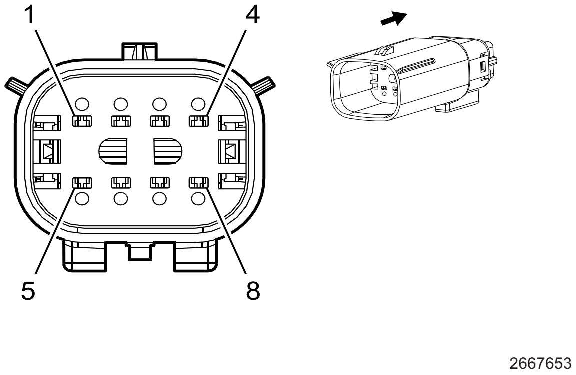
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X106 Aero Shutter Jumper Harness to Forward Lamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1	BK	250	I	—	Ground	1	1	BK	250	II	—
2	0.5	VT/ BU	5290	I	—	Powertrain Main Relay Fused Supply 1	2	0.5	VT/ BU	5290	II	—
3	0.5	GN/ VT	4621	I	—	Local Interconnect Network Serial Data Bus 21	3	0.5	GN/ VT	4621	II	—
4	—	—	—	—	—	Not Occupied	4	—	—	—	—	—
5	0.5	BK/ BU	61	I	—	Outside Ambient Temperature Sensor Low Reference	5	0.5	BK/ BU	61	II	—
6	0.5	BU/ GY	636	I	—	Outside Ambient Air Temperature Sensor Signal	6	0.5	BU/ GY	636	II	—

X110 Forward Lamp Harness to Left Headlamp Harness





Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13884361
Service Connector: 19366859
Description: 8-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Left Headlamp
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way M

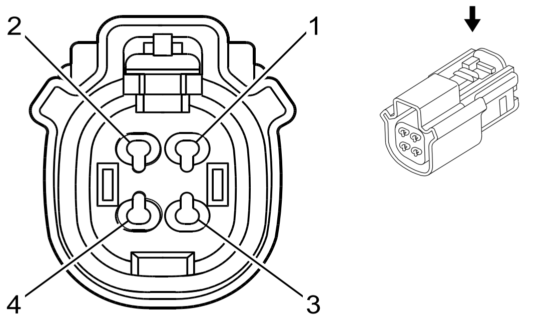
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X110 Forward Lamp Harness to Left Headlamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1	BK	150	I	—	Ground	1	1	BK	150	II	—
2	0.75	YE	712	I	—	Left Headlamp Low Beam Control	2	0.75	YE	712	II	—
3	0.5 0.75	WH WH	711 711	I I	X88/Z88/ Z75-6J7 X88+6J7	Left Headlamp High Beam Control Left Headlamp High Beam Control	3	0.5 0.75	WH WH	711 711	II II	X88/Z88/ Z75-6J7 X88+6J7
4	1	BK	150	I	—	Ground	4	1	BK	150	II	—
5	0.75	BU/ WH	1314	I	—	Left Front Turn Signal Lamp Control	5	0.75	BU/ WH	1314	II	—
6	0.75	GY/ BU	7538	I	—	Left Front DRL Control	6	0.75	GY/ BU	7538	II	—
7	0.5	VT/ GY	709	I	—	Left Park Lamp Control	7	0.5	VT/ GY	709	II	—
8	0.5	BU/ VT	3204	I	—	Left Headlamp Bulb Outage Signal	8	0.5	BU/ VT	3204	II	—

X111 Transfer Case Harness to Engine Harness



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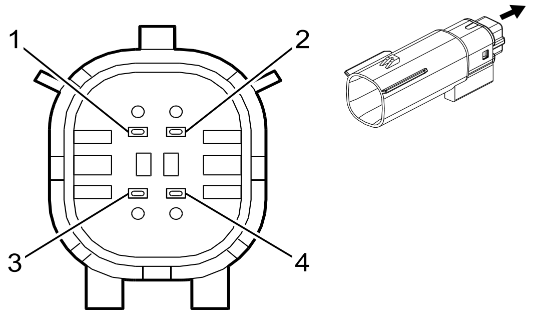


2368875

Connector Part Information

Harness Type: Transfer Case
OEM Connector: 33346391
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Engine
OEM Connector: 33344515
Service Connector: 19366646
Description: 4-Way M 150 MX Series, Sealed (BK)

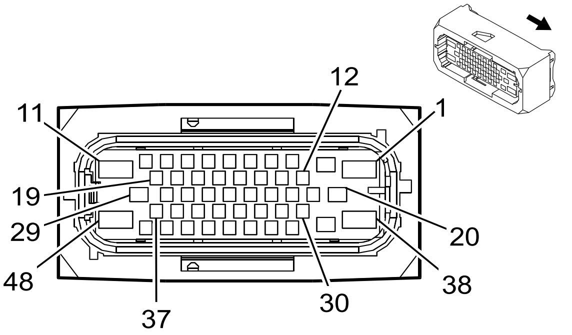
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X111 Transfer Case Harness to Engine Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	YE/WH	1695	I	—	Four Wheel Drive Wheel Lock Indicator Control Four Wheel Drive Wheel Lock Indicator Control	1	0.5	YE/WH	1695	II	—
2	0.5	GY/BK	1570	I	—	Front Axle Actuator Control Front Axle Actuator Control	2	0.5	GY/BK	1570	II	—
3	0.5	VT/BK	2139	I	—	Run/Crank Ignition 1 Voltage Run/Crank Ignition 1 Voltage	3	0.5	VT/BK	2139	II	—
4	0.5	BK	550	I	—	Ground	4	1	BK	550	II	—

X115 Engine Harness to Body Harness



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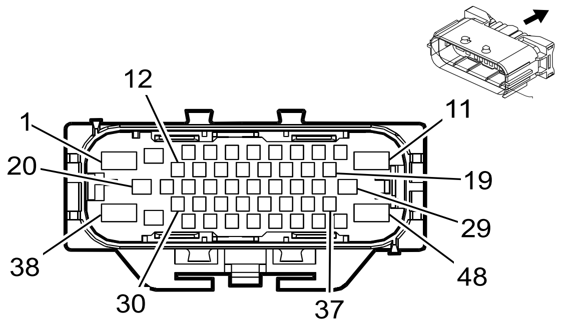


3240125

Connector Part Information

Harness Type: Engine

OEM Connector: 15509587

Service Connector: 19119963

Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (GY)

Connector Part Information

Harness Type: Body

OEM Connector: 15513437

Service Connector: 13586850

Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13580829	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
II	13580830	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
III	19301757	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	B	G
IV	19301776	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
V	19329757	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
VI	13505807	J-35616-19 (BK)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VII	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VIII	13580827	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IX	19329756	J-35616-32 (OR)	J-38125-36	Not Available	Not Available	Not Available	Not Available
X	19352419	J-35616-19 (BK)	J-38125-560	Not Available	Not Available	Not Available	Not Available
XI	19353142	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X115 Engine Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	3	RD/GY	1342	III	—	Battery Positive Voltage	1	4	RD/GY	1342	IX	—

X115 Engine Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
2	0.75	BU/ BN	7573	II	—	Electric Variable Displacement Supply	2	0.5	BU/ BN	7573	VIII	—
3	0.5	BN/ WH	419	IV	—	Check Engine Indicator Control	3	0.35	BN/ WH	419	X	—
4	0.5	WH/ BU	6311	IV	—	Cruise/ETC/ TCC Brake Signal	4	0.35	WH/ BU	6311	X	—
5	0.5	WH	2501	IV	—	High Speed GMLAN Serial Data (-) 1	5	0.5	WH	2501	VI	—
6	0.5	BU	2500	IV	—	High Speed GMLAN Serial Data (+) 1	6	0.5	BU	2500	VI	—
7	0.5	WH	5359	IV	—	Brake Apply Sensor Control	7	0.5	WH	5359	VI	—
8	0.5	BK/ BN	5360	IV	—	Brake Apply Sensor Low Reference	8	0.5	BK/ BN	5360	VI	—
9	0.5	BU/ YE	5361	IV	—	Brake Apply Sensor Signal	9	0.5	BU/ YE	5361	VI	—
10	0.5	YE/ WH	1161	V	—	Accelerator Pedal Position Signal 1	10	0.35	YE/ WH	1161	XI	—
11	3	BK	550	III	—	Ground	11	4	BK	550	IX	—
12	0.5	WH/ GN	7479	IV	—	Rotary Position Sensor Signal	12	0.5	WH/ GN	7479	VI	—
13	0.5	YE/ BK	7478	IV	—	Rotary Position Sensor Low Reference	13	0.5	YE/ BK	7478	VI	—
14	0.5	YE/ WH	1695	IV	—	Four Wheel Drive Wheel Lock Indicator Control	14	0.5	YE/ WH	1695	VI	—
15	0.5	GY/ BK	1570	IV	—	Front Axle Actuator Control	15	0.5	GY/ BK	1570	VI	—
16	0.5	VT/ YE	5985	IV	—	Accessory Wakeup Serial Data	16	0.35	VT/ YE	5985	X	—
17	0.5	WH/ BU	5986	IV	—	Serial Data Communication Enable	17	0.5	WH/ BU	5986	VI	—
18	0.5	WH/ RD	1164	V	—	Accelerator Pedal Position 5V Reference 1	18	0.35	WH/ RD	1164	XI	—

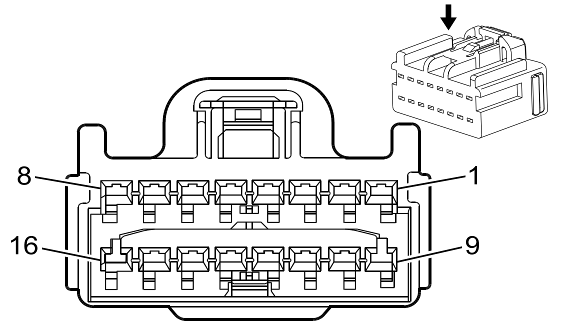
X115 Engine Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
19	0.5	BK/ BU	1271	V	—	Accelerator Pedal Position Low Reference 1	19	0.35	BK/ BU	1271	XI	—
20	0.75	BU/ YE	7574	II	—	Electric Variable Displacement Control	20	0.5	BU/ YE	7574	VIII	—
21	0.5	WH/ RD	7477	IV	—	Rotary Position Sensor 5V Reference	21	0.5	WH/ RD	7477	VI	—
22	0.5	BU/ GY	7473	IV	—	Incremental Encoder Impulse Signal	22	0.35	BU/ GY	7473	X	—
23	0.5	VT	7476	IV	—	Incremental Encoder Sensor Low Reference	23	0.35	VT	7476	X	—
24	0.5	YE	5530	IV	—	Hood Open Switch Signal	24	0.5	YE	5530	VI	—
25	0.5	BN/ RD	1274	V	—	Accelerator Pedal Position 5V Reference 2	25	0.35	BN/ RD	1274	XI	—
26	0.5	GN/ WH	1162	V	—	Accelerator Pedal Position Signal 2	26	0.35	GN/ WH	1162	XI	—
27	0.5	BK/ VT	1272	V	—	Accelerator Pedal Position Low Reference 2	27	0.35	BK/ VT	1272	XI	—
28	0.5	VT/ BU	6091	IV	—	Crankshaft Position Sensor Replicated Signal	28	0.35	VT/ BU	6091	X	—
29	2.5	YE/ BN	1569	I	—	Transfer Case Lock Solenoid Control	29	2.5	YE/ BN	1569	VII	—
30	0.5	WH/ GN	7475	IV	—	Incremental Encoder Sensor 8V Reference	30	0.35	WH/ GN	7475	X	—
31	0.5	YE	7474	IV	—	Incremental Encoder Direction Signal	31	0.35	YE	7474	X	—
32	0.5	BK/ VT	5077	IV	—	Current Sensor Low Reference	32	0.35	BK/ VT	5077	X	—
33	0.5	WH/ YE	5075	IV	—	Current Sensor Signal	33	0.35	WH/ YE	5075	X	—
34	0.5	BU/ VT	5076	IV	—	Current Sensor Control	34	0.35	BU/ VT	5076	X	—

X115 Engine Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
35	0.5	BU/ YE	6105	IV	—	High Speed GMLAN Serial Data (+) 2	35	0.5	BU/ YE	6105	VI	—
36	0.5	WH	6106	IV	—	High Speed GMLAN Serial Data (-) 2	36	0.5	WH	6106	VI	—
37	0.5	BK/ YE	4082	IV	—	Hood Latch Sensor Low Reference	37	0.5	BK/ YE	4082	VI	—
38	3	YE/ VT	1553	III	—	Transfer Case Motor Counter Clockwise Control	38	4	YE/ VT	1553	IX	—
39 - 41	—	—	—	—	—	Not Occupied	39 - 41	—	—	—	—	—
42	0.5	VT/ BN	300	IV	—	Run Ignition 3 Voltage	42	0.5	VT/ BN	300	VI	—
43 - 47	—	—	—	—	—	Not Occupied	43 - 47	—	—	—	—	—
48	3	OG	1552	III	—	Transfer Case Motor Clockwise Control	48	4	YE/ GY	1552	IX	—

X119 Body Harness to Brake Clutch Jumper Harness



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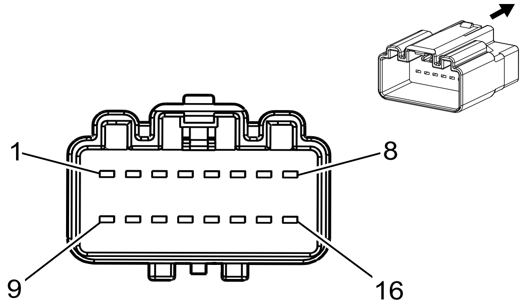

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Connector Part Information

Harness Type: Body
OEM Connector: 10847013
Service Connector: 89047090
Description: 16-Way F 1.5 Kaizen Series (GN)

Connector Part Information

Harness Type: Brake Clutch Jumper
OEM Connector: 13507433
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way M 1.5 Kaizen Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13578813	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
III	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

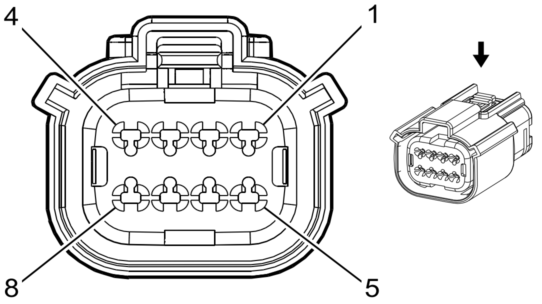
X119 Body Harness to Brake Clutch Jumper Harness

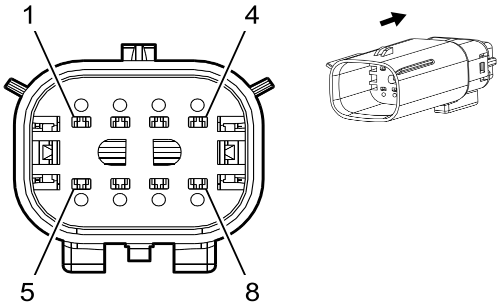
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	BK/BU	1271	I	—	Accelerator Pedal Position Low Reference 1	1	0.35	BK/BU	1271	III	—
2	0.35	YE/WH	1161	I	—	Accelerator Pedal Position Signal 1	2	0.35	YE/WH	1161	III	—
3	0.35	WH/RD	1164	I	—	Accelerator Pedal Position 5V Reference 1	3	0.35	WH/RD	1164	III	—
4	0.35	BK/VT	1272	I	—	Accelerator Pedal Position Low Reference 2	4	0.35	BK/VT	1272	III	—
5	0.35	GN/WH	1162	I	—	Accelerator Pedal Position Signal 2	5	0.35	GN/WH	1162	III	—
6	0.35	BN/RD	1274	I	—	Accelerator Pedal Position 5V Reference 2	6	0.35	BN/RD	1274	III	—

X119 Body Harness to Brake Clutch Jumper Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.5	WH	5359	II	—	Brake Apply Sensor Control	7	0.5	WH	5359	III	—
8	0.5	BK/ BN	5360	II	—	Brake Apply Sensor Low Reference	8	0.5	BK/ BN	5360	III	—
9	0.5	BU/ YE	5361	II	—	Brake Apply Sensor Signal	9	0.5	BU/ YE	5361	III	—
10	0.5	YE/ BK	7478	II	—	Rotary Position Sensor Low Reference	10	0.5	YE/ BK	7478	III	—
11	0.5	WH/ RD	7477	II	—	Rotary Position Sensor 5V Reference	11	0.5	WH/ RD	7477	III	—
12	0.5	WH/ GN	7479	II	—	Rotary Position Sensor Signal	12	0.5	WH/ GN	7479	III	—
13 - 16	—	—	—	—	—	Not Occupied	13 - 16	—	—	—	—	—

X120 Forward Lamp Harness to Right Headlamp Harness





Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13884361
Service Connector: 19366859
Description: 8-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Right Headlamp
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way M

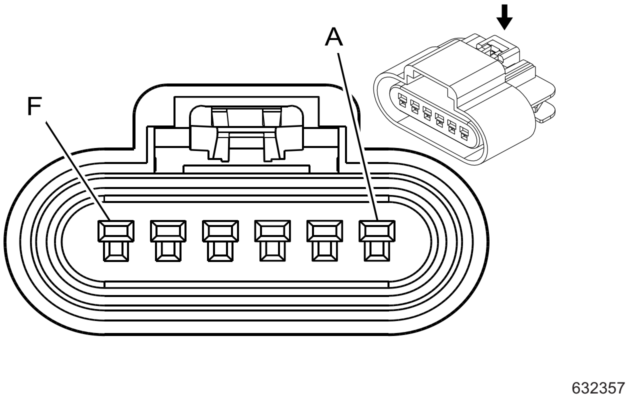
Terminal Part Information

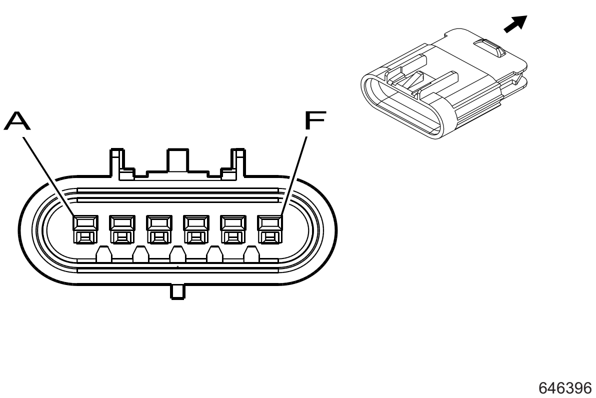
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X120 Forward Lamp Harness to Right Headlamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1	BK	250	I	—	Ground	1	1	BK	250	II	—
2	0.75	YE	312	I	—	Right Headlamp Low Beam Control	2	0.75	YE	312	II	—
3	0.75 0.5	WH WH	311 311	I I	6J7 Z88/X88	Right Headlamp High Beam Control Right Headlamp High Beam Control	3	0.75 0.5	WH WH	311 311	II II	6J7 Z88/X88
4	1	BK	250	I	—	Ground	4	1	BK	250	II	—
5	0.75	GN/VT	1315	I	—	Right Front Turn Signal Lamp Control	5	0.75	GN/VT	1315	II	—
6	0.75	BU/BN	7539	I	—	Right Front DRL Control	6	0.75	BU/BN	7539	II	—
7	0.5	GY/BN	309	I	—	Right Park Lamp Control	7	0.5	GY/BN	309	II	—
8	0.5	WH/BU	3203	I	—	Right Headlamp Bulb Outage Signal	8	0.5	WH/BU	3203	II	—

X122 Forward Lamp Harness to Forward Lamp Harness (6J7)





Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 15326829
Service Connector: 13584094
Description: 6-Way F 150 GT Series, Sealed (BK)

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 15326833
Service Connector: 19367560
Description: 6-Way M 150 GT Series, Sealed (BK)

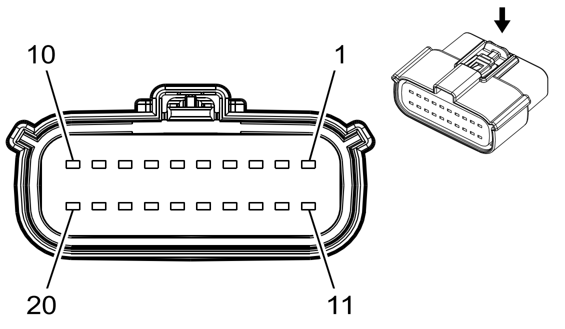
Terminal Part Information

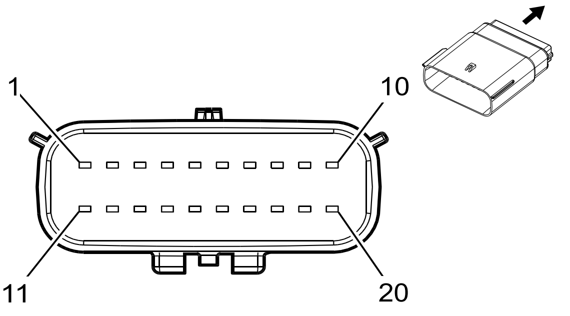
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X122 Forward Lamp Harness to Forward Lamp Harness (6J7)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	1	BK	250	I	—	Ground	A	—	—	—	—	—
B	0.75	WH	711	I	—	Left Headlamp High Beam Control	B	0.75	WH	711	II	—
C	0.75	RD/ BU	3940	I	—	Battery Positive Voltage	C	—	—	—	—	—
D	0.75	WH	311	I	—	Right Headlamp High Beam Control	D	0.75	WH	311	II	—
E	0.75	GN	6820	I	—	Exterior Lamp Flasher Signal	E	—	—	—	—	—
F	0.75	BU/ GN	6841	I	—	Rear Lamp Flasher Signal	F	—	—	—	—	—

X125 Engine Harness to Chassis Harness





Connector Part Information

Harness Type: Engine
OEM Connector: 13650143
Service Connector: 19300557
Description: 20-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Chassis
OEM Connector: 33181840
Service Connector: 19351705
Description: 20-Way M 1.5 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	19119440	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

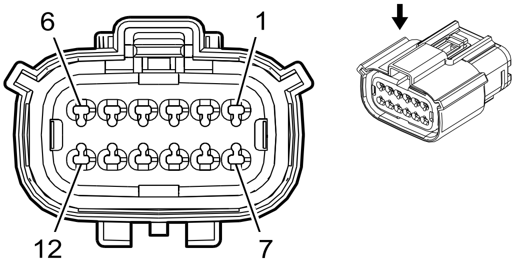
X125 Engine Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	VT/BU	3120	I	—	Heated Oxygen Sensor High Signal Bank 1 Sensor 2	1	0.5	VT	3120	II	—
2	0.5	WH/YE	3121	I	—	Heated Oxygen Sensor Low Signal Bank 1 Sensor 2	2	0.5	WH/YE	3121	II	—
3	0.5	GY/WH	3122	I	—	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 2	3	0.5	GY/WH	3122	II	—
4	0.5	VT/BU	5294	I	—	Powertrain Main Relay Fused Supply 5	4	0.5	VT/BU	5294	II	—
5	0.5	BU/YE	6105	I	—	High Speed GMLAN Serial Data (+) 2	5	0.5	BU/YE	6105	II	—

X125 Engine Harness to Chassis Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	0.5	WH	6106	I	—	High Speed GMLAN Serial Data (-) 2	6	0.5	WH	6106	II	—
7	0.5	WH	1310	I	—	EVAP Canister Vent Solenoid Control	7	0.5	WH	1310	II	—
8	0.5 0.5	BU/WH BU/WH	1937 7446	I I	L96+N2N LV3/LV1/L83/L86/L8B-L96	Secondary Fuel Level Sensor Signal Fuel Line Pressure Sensor Signal	8	0.5 0.5	BU/WH BU/WH	1937 7446	II II	L96+N2N LV3/LV1/L83/L86/L8B-L96
9	0.5	BK/YE	7447	I	—	Fuel Line Pressure Sensor Low Reference	9	0.5	BK/YE	7447	II	—
10	—	—	—	—	—	Not Occupied	10	—	—	—	—	—
11	0.5	BU/VT	1589	I	—	Primary Fuel Level Sensor Signal	11	0.5	BU/VT	1589	II	—
12	0.5	BK/GN	6281	I	—	Fuel Level Sensor Low Reference	12	0.5	BK/GN	6281	II	—
13	0.5	BU/BK	7493	I	—	High Speed GMLAN Serial Data (+)3	13	0.5	BU/BK	7493	II	—
14	0.5	WH	7494	I	—	High Speed GMLAN Serial Data (-)3	14	0.5	WH	7494	II	—
15	0.5	BU/WH	890	I	—	Fuel Tank Pressure Sensor Signal	15	0.5	BU/WH	890	II	—
16	0.5	YE/RD	2709	I	—	Fuel Tank Pressure Sensor 5V Reference	16	0.5	YE/RD	2709	II	—
17	0.5	WH	1579	I	—	Fuel Temperature/Composition Signal	17	0.5	WH	1579	II	—
18	0.5	BN/RD	7445	I	—	Fuel Line Pressure Sensor 5V Reference	18	0.5	BN/RD	7445	II	—
19 - 20	—	—	—	—	—	Not Occupied	19 - 20	—	—	—	—	—

X139 Engine Harness to Forward Lamp Harness (L83/L86)



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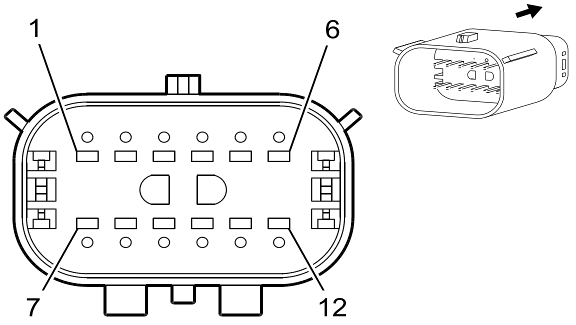


1825167

Connector Part Information

Harness Type: Engine
OEM Connector: 15508066
Service Connector: 19329931
Description: 12-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33180263
Service Connector: 19354161
Description: 12-Way M 150 MX Series, Sealed (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	19119440	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

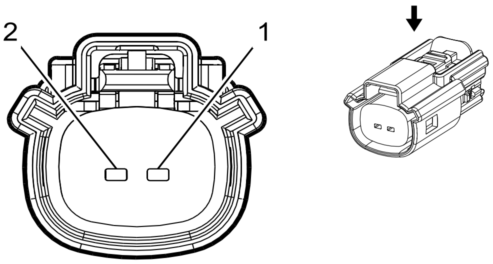
X139 Engine Harness to Forward Lamp Harness (L83/L86)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.5	BN/YE	473	I	—	High Speed Cooling Fan Relay Control	2	0.5	BN/YE	473	II	—
3	0.5	BK/BU	61	I	—	Outside Ambient Temperature Sensor Low Reference	3	0.5	BK/BU	61	II	—
4	0.5	BU/GY	636	I	—	Outside Ambient Air Temperature Sensor Signal	4	0.5	BU/GY	636	II	—
5	0.5	WH/BU	5986	I	—	Serial Data Communication Enable	5	0.5	WH/BU	5986	II	—
6	0.75	VT/BU	5290	I	—	Powertrain Main Relay Fused Supply 1	6	0.5	VT/BU	5290	II	—
7	—	—	—	—	—	Not Occupied	7	—	—	—	—	—

X139 Engine Harness to Forward Lamp Harness (L83/L86) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.5	WH	6106	I	—	High Speed GMLAN Serial Data (-) 2	8	0.5	WH	6106	II	—
9	0.5	BU/ YE	6105	I	—	High Speed GMLAN Serial Data (+) 2	9	0.5	BU/ YE	6105	II	—
10	0.5	BU	2500	I	—	High Speed GMLAN Serial Data (+) 1	10	0.5	BU	2500	II	—
11	0.5	WH	2501	I	—	High Speed GMLAN Serial Data (-) 1	11	0.5	WH	2501	II	—
12	0.5	GN/ VT	4621	I	—	Local Interconnect Network Serial Data Bus 21	12	0.5	GN/ VT	4621	II	—

X139 Engine Harness to Forward Lamp Harness (L96)



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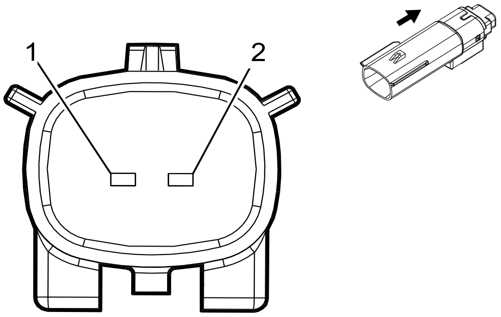


3338703

Connector Part Information

Harness Type: Engine
OEM Connector: 13782480
Service Connector: 13577534
Description: 2-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13883040
Service Connector: 19119346
Description: 2-Way M 1.5 MX Series, Sealed (BK)

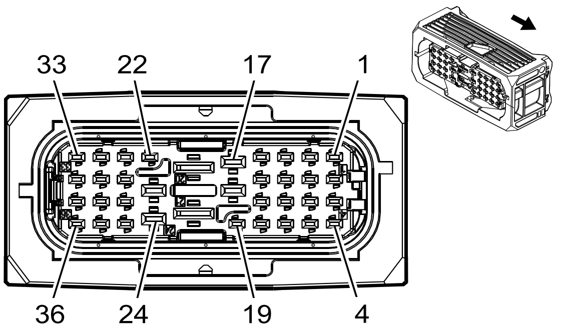
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X139 Engine Harness to Forward Lamp Harness (L96)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BN/ YE	473	I	—	High Speed Cooling Fan Relay Control	1	0.75	BN/ YE	473	II	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—

X150 Body Harness to Forward Lamp Harness



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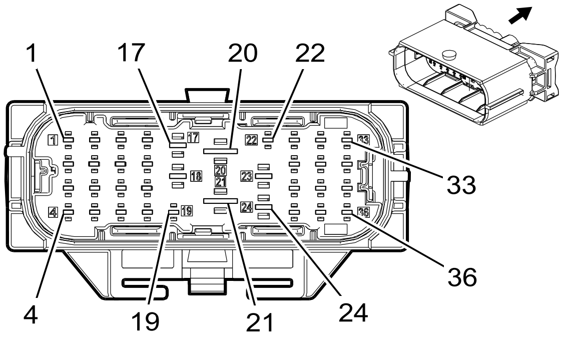


3960400

Connector Part Information

Harness Type: Body
OEM Connector: 13929980
Service Connector: 19333092
Description: 36-Way F 1.5, 2.8 CTS, 6.3 MCP Series (BK)

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13930004
Service Connector: 19330685
Description: 36-Way M 1.5, 2.8, 5.8 Series, Sealed

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13582180	J-35616-14 (GN)	J-38125-560	1241374-1	Lear 17	E	2
II	19119381	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
III	19119772	J-35616-35 (VT)	J-38125-557	1241388-1	Lear 17	E	C
IV	19301776	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
V	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13580827	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available

X150 Body Harness to Forward Lamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	WH/BN	6201	II	—	Camera Control	1	0.5	WH/BN	6201	V	—
2	0.35	BK/WH	2551	II	—	Signal Ground	2	0.5	BK/WH	2551	V	—
3	0.35	BU	3373	II	—	Auxiliary Video High Signal 2	3	0.5	BU	3373	V	—
4	0.35	GY	3372	II	—	Auxiliary Video Low Signal 2	4	0.5	GY	3372	V	—
5	0.35	OG/YE	354	II	—	Left Front Discriminating Sensor Signal	5	0.5	OG/YE	354	V	—

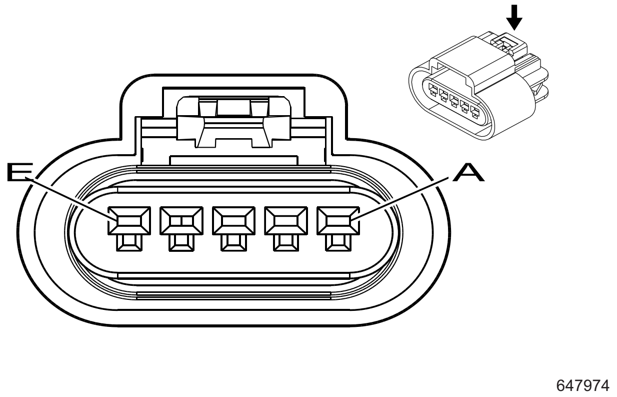
X150 Body Harness to Forward Lamp Harness (cont'd)

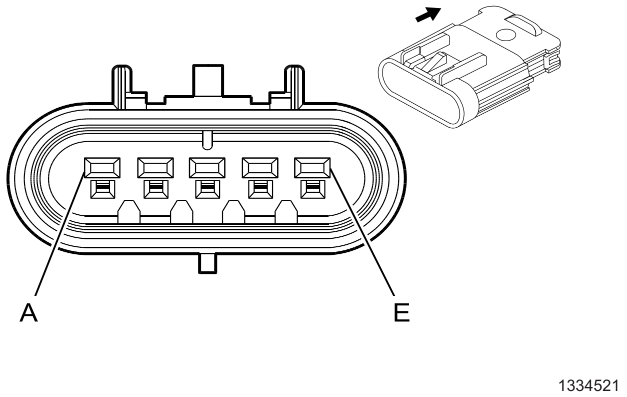
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	0.35	BK/OG	5045	II	—	Left Front Discriminating Sensor Low Reference	6	0.5	BK/OG	5045	V	—
7	0.35	BK	3371	II	—	Video Low Reference 2	7	0.5	BK	3371	V	—
8	0.5	BK/YE	4082	I	—	Hood Latch Sensor Low Reference	8	0.5	BK/YE	4082	V	—
9	0.35	OG/GN	1409	II	—	Right Front Discriminating Sensor Signal	9	0.5	OG/GN	1409	V	—
10	0.35	BK/OG	5600	II	—	Right Front Discriminating Sensor Low Reference	10	0.5	BK/OG	5600	V	—
11	0.5	YE	5530	I	—	Hood Open Switch Signal	11	0.5	YE	5530	V	—
12	0.5	BN/GN	109	IV	—	Hood Ajar Switch Signal	12	0.5	BN/GN	109	V	—
13	0.35	BK/BU	61	II	—	Outside Ambient Temperature Sensor Low Reference	13	0.5	BK/BU	61	V	—
14	0.35	BU/GY	636	II	—	Outside Ambient Air Temperature Sensor Signal	14	0.5	BU/GY	636	V	—
15	0.35	VT	185	II	—	Low Washer Fluid Indicator Control	15	0.5	VT	185	V	—
16	0.5	WH	3811	IV	—	High Speed GMLAN Serial Data (-) 4	16	0.5	WH	3811	V	—
17	0.75	BU/GN	6841	III	—	Rear Lamp Flasher Signal	17	0.75	BU/GN	6841	VI	—
18	0.75	GN	6820	III	—	Exterior Lamp Flasher Signal	18	0.75	GN	6820	VI	—
19	0.5	BU/VT	3813	IV	—	High Speed GMLAN Serial Data (+) 4	19	0.5	BU/VT	3813	V	—
20 - 21	—	—	—	—	—	Not Occupied	20 - 21	—	—	—	—	—
22	0.35	GY/VT	3808	II	—	Front Object Sensor Control 2	22	0.5	GY/VT	3808	V	—

X150 Body Harness to Forward Lamp Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
23	0.75	RD/ GN	3140	III	—	Battery Positive Voltage	23	0.5	RD/ GN	3140	VI	—
24	—	—	—	—	—	Not Occupied	24	—	—	—	—	—
25	0.5	GY	3154	I	—	Left Front Supplemental Object Sensor Signal	25	0.5	GY	3154	V	—
26	0.5	BK/ BU	5214	IV	—	Front Parking Sensor Low Reference	26	0.5	BK/ BU	5214	V	—
27	0.5	YE/ VT	5213	IV	—	Front Parking Left/Right/ Mid Sensor	27	0.5	YE/ VT	5213	V	—
28	0.5	GN	3155	I	—	Right Front Supplemental Object Sensor Signal	28	0.5	GN	3155	V	—
29	0.5	YE/ GY	5216	IV	—	Front Parking Left Mid Sensor	29	0.5	YE/ GY	5216	V	—
30	0.5	WH/ GY	5217	IV	—	Front Parking Right Corner Sensor	30	0.5	WH/ GY	5217	V	—
31	0.5	VT/ GY	5218	IV	—	Front Parking Right Mid Sensor	31	0.5	VT/ GY	5218	V	—
32	0.5	VT/ WH	5215	IV	—	Front Parking Left Corner Sensor	32	0.5	VT/ WH	5215	V	—
33 - 36	—	—	—	—	—	Not Occupied	33 - 36	—	—	—	—	—

X154 Engine Harness to Camshaft Jumper Harness (L96)





Connector Part Information

Harness Type: Engine
OEM Connector: 15326822
Service Connector: 13585858
Description: 5-Way F 150 GT Series, Sealed (BK)

Connector Part Information

Harness Type: Camshaft Position Jumper Harness
OEM Connector: 15326827
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way M 150 GT Series, Sealed (BK)

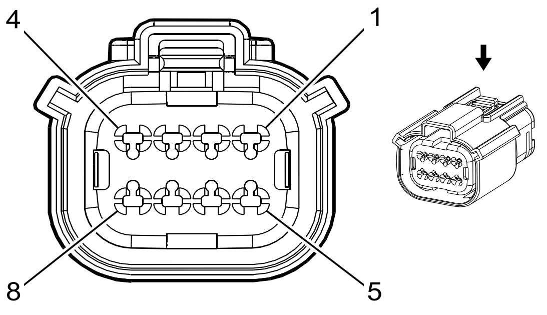
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X154 Engine Harness to Camshaft Jumper Harness (L96)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.5	GY/ BU	5300	I	—	Camshaft Position Intake Sensor Control 1	A	0.5	GY/ BU	5300	II	—
B	0.5	BK/ GN	5301	I	—	Camshaft Position Intake Sensor Low Reference 1	B	0.5	BK/ GN	5301	II	—
C	0.5	YE/ VT	5275	I	—	Camshaft Position Intake Sensor 1	C	0.5	YE/ VT	5275	II	—
D	0.5	VT/ BN	5284	I	—	Camshaft Phaser Intake Solenoid 1	D	0.5	VT/ BN	5284	II	—
E	0.5	BK/ BN	6753	I	—	Cam Phaser W Low Reference	E	0.5	BK/ BN	6753	II	—

X154 Engine Harness to Camshaft Position Sensor Jumper (L83/L86)



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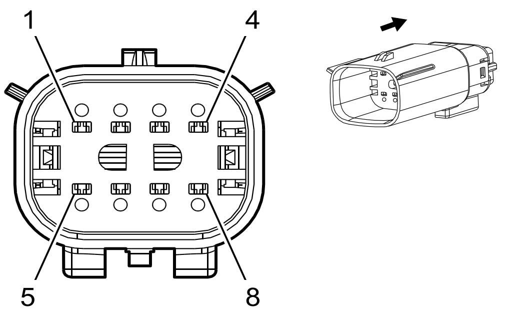


2667653

Connector Part Information

Harness Type: Engine
OEM Connector: 13884361
Service Connector: 19366859
Description: 8-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Camshaft Position Sensor Jumper
OEM Connector: 13790317
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way M 150 MX Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

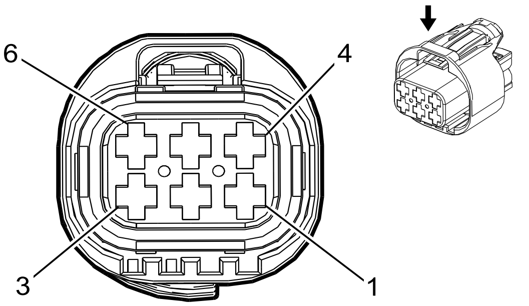
X154 Engine Harness to Camshaft Position Sensor Jumper (L83/L86)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	GY/BU	5300	I	—	Camshaft Position Intake Sensor Control 1	1	0.5	GY/BU	5300	II	—
2	0.5	BK/GN	5301	I	—	Camshaft Position Intake Sensor Low Reference 1	2	0.5	BK/GN	5301	II	—
3	0.5	YE/VT	5275	I	—	Camshaft Position Intake Sensor 1	3	0.5	YE/VT	5275	II	—
4	0.5	BU	179	I	—	Oil Pump Command Signal	4	0.5	BU	179	II	—
5	0.5	VT/BN	5284	I	—	Camshaft Phaser Intake Solenoid 1	5	0.5	VT/BN	5284	II	—
6	0.5	BK/BN	6753	I	—	Cam Phaser W Low Reference	6	0.5	BK/BN	6753	II	—

X154 Engine Harness to Camshaft Position Sensor Jumper (L83/L86) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.75	VT/ BU	5293	I	—	Powertrain Main Relay Fused Supply 4	7	0.5	VT/ BU	5293	II	—
8	—	—	—	—	—	Not Occupied	8	—	—	—	—	—

X158 Battery Harness to Engine Harness (5W4/9C1)



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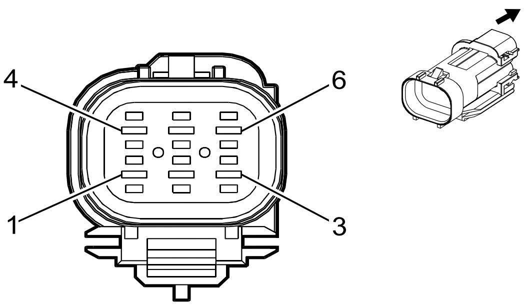


2042939

Connector Part Information

Harness Type: Battery
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F

Connector Part Information

Harness Type: Engine
OEM Connector: 13893482
Service Connector: 19367564
Description: 6-Way M 2.8 Series, Sealed (BK)

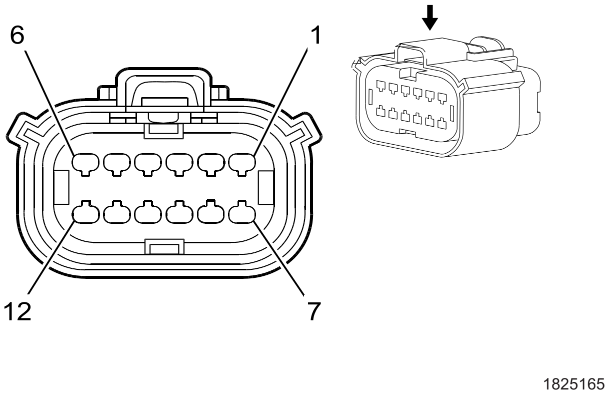
Terminal Part Information

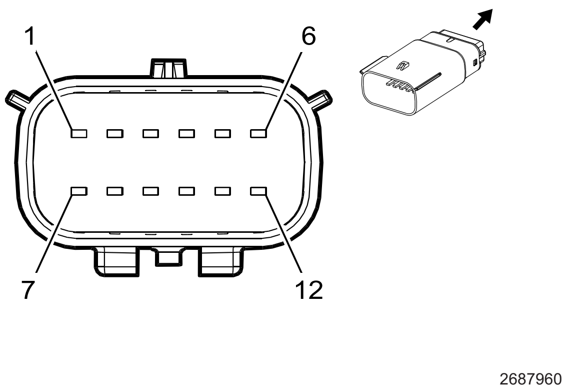
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X158 Battery Harness to Engine Harness (5W4/9C1)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	VT/ BN	300	I	—	Run Ignition 3 Voltage	1	0.5	VT/ BN	300	II	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—
3	0.5	RD/ WH	3440	I	—	Battery Positive Voltage	3	0.5	RD/ BU	4540	II	—
4	1	BK	550	I	—	Ground	4	1	BK	550	II	—
5	—	—	—	—	—	Not Occupied	5	—	—	—	—	—
6	2.5	RD/ GN	742	I	—	Battery Positive Voltage	6	2.5	RD/ GN	742	II	—

X160 Engine Harness to Odd Fuel Injector Harness





Connector Part Information

Harness Type: Engine
OEM Connector: 13653762
Service Connector: 13503528
Description: 12-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Odd Fuel Injector
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13578813	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

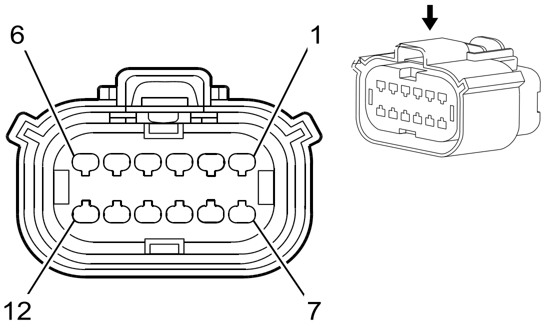
X160 Engine Harness to Odd Fuel Injector Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BN/WH	4901	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	1	0.75	BN/WH	4901	II	—
2	0.75	GN/BK	4903	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	2	0.75	GN/BK	4903	II	—
3	0.75	GN/WH	4905	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	3	0.75	GN/WH	4905	II	—
4	0.75	WH/YE	4907	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 7	4	0.75	WH/YE	4907	II	—
5	0.75	BN	4801	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	5	0.75	BN	4801	II	—
6	—	—	—	—	—	Not Occupied	6	—	—	—	—	—

X160 Engine Harness to Odd Fuel Injector Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.75	GN	4803	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	7	0.75	GN	4803	II	—
8	0.75	WH/GN	4805	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	8	0.75	WH/GN	4805	II	—
9	0.75	YE/GY	4807	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 7	9	0.75	YE/GY	4807	II	—
10	0.5	BN/RD	2917	I	—	Fuel Rail Pressure Sensor 5V Reference	10	0.5	BN/RD	2917	II	—
11	0.5	BU/WH	2918	I	—	Fuel Rail Pressure Sensor Signal	11	0.5	BU/WH	2918	II	—
12	0.5	BK/GN	2919	I	—	Fuel Rail Pressure Sensor Low Reference	12	0.5	BK/GN	2919	II	—

X161 Engine Harness to Even Fuel Injector Harness



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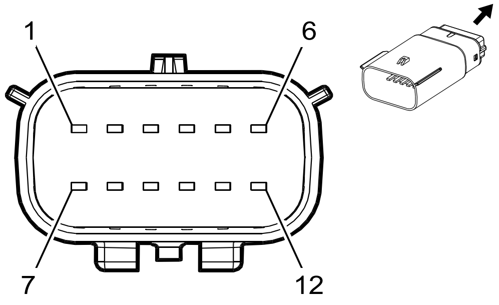

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Connector Part Information

Harness Type: Engine
OEM Connector: 13922706
Service Connector: 13503528
Description: 12-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Even Fuel Injector
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13578813	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

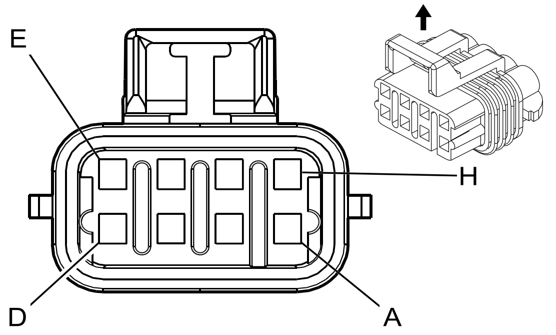
X161 Engine Harness to Even Fuel Injector Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BN/GN	4902	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	1	0.75	BN/GN	4902	II	—
2	0.75	BU/WH	4904	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	2	0.75	BU/WH	4904	II	—
3	0.75	VT	4906	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	3	0.75	VT	4906	II	—
4	0.75	WH/GN	4908	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 8	4	0.75	WH/GN	4908	II	—
5	0.75	BU	4802	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	5	0.75	BU	4802	II	—
6 - 7	—	—	—	—	—	Not Occupied	6 - 7	—	—	—	—	—

X161 Engine Harness to Even Fuel Injector Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.75	GY/ BU	4804	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	8	0.75	GY/ BU	4804	II	—
9	0.75	GN/ VT	4806	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	9	0.75	GN/ VT	4806	II	—
10	0.75	GY	4808	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 8	10	0.75	GY	4808	II	—
11	0.75	VT/ BK	7300	I	—	High Pressure Fuel Pump Actuator Low - Control	11	0.75	VT/ BK	7300	II	—
12	0.75	YE	7301	I	—	High Pressure Fuel Pump Actuator High - Control	12	0.75	YE	7301	II	—

X170 Engine Harness to Ignition Coil (Odd) Harness (L96)



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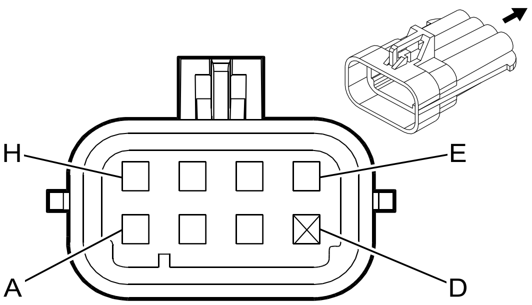


2582274

Connector Part Information

Harness Type: Engine
OEM Connector: 12047938
Service Connector: 13580883
Description: 8-Way F 150 Metri-Pack Series, Sealed (L-GY)

Connector Part Information

Harness Type: Ignition Coil (Odd)
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way M

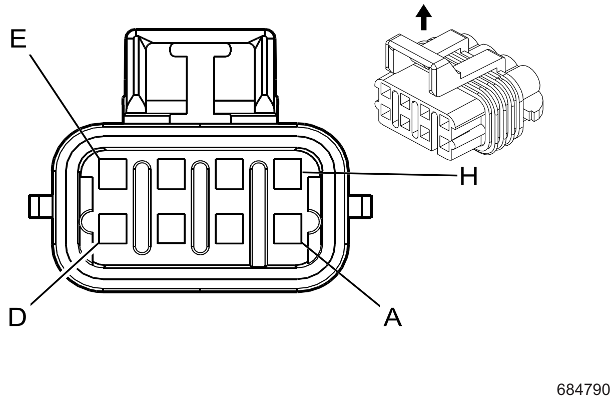
Terminal Part Information

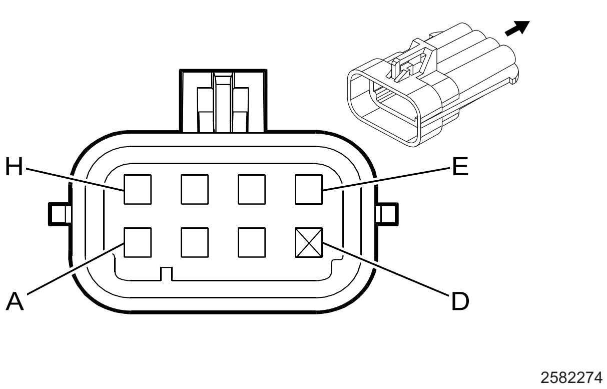
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required		No Tool Required	Not Required	Not Required	Not Required	Not Required

X170 Engine Harness to Ignition Coil (Odd) Harness (L96)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.75	BK	350	I	—	Ground	A	0.75	BK	350	II	—
B	0.5	GN/ GY	2127	I	—	Ignition Control 7	B	0.5	GN/ GY	2127	II	—
C	0.5	BU/ GY	2125	I	—	Ignition Control 5	C	0.5	BU/ GY	2125	II	—
D	—	—	—	—	—	Not Occupied	D	—	—	—	—	—
E	0.5	BK/ BU	2129	I	—	Ignition Control Low Reference Bank 1	E	0.5	BK/ BU	2129	II	—
F	0.5	GN/ BU	2123	I	—	Ignition Control 3	F	0.5	GN/ BU	2123	II	—
G	0.5	BU/ VT	2121	I	—	Ignition Control 1	G	0.5	BU/ VT	2121	II	—
H	0.75	VT/ BU	5291	I	—	Powertrain Main Relay Fused Supply 2	H	0.75	VT/ BU	5291	II	—

X171 Engine Harness to Ignition Coil (Even) Harness





Connector Part Information

- Harness Type: Engine
- OEM Connector: 12047938
- Service Connector: 13580883
- Description: 8-Way F 150 Metri-Pack Series, Sealed (L-GY)

Connector Part Information

- Harness Type: Ignition Coil (Even)
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 8-Way M

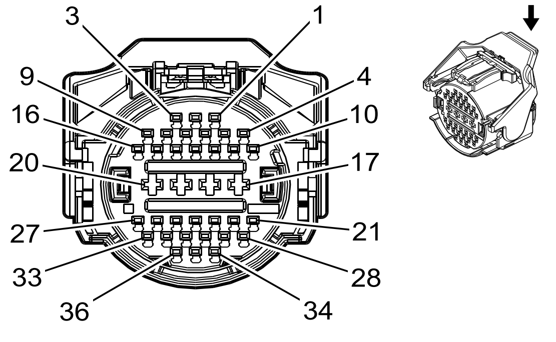
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required		No Tool Required	Not Required	Not Required	Not Required	Not Required

X171 Engine Harness to Ignition Coil (Even) Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.75	BK	350	I	—	Ground	A	0.75	BK	350	II	—
B	0.5	BU/WH	2122	I	—	Ignition Control 2	B	0.5	BU/WH	2122	II	—
C	0.5	YE/BU	2124	I	—	Ignition Control 4	C	0.5	YE/BU	2124	II	—
D	—	—	—	—	—	Not Occupied	D	—	—	—	—	—
E	0.5	BK/GY	2130	I	—	Ignition Control Low Reference Bank 2	E	0.5	BK/GY	2130	II	—
F	0.5	BN/BU	2126	I	—	Ignition Control 6	F	0.5	BN/BU	2126	II	—
G	0.5	VT/WH	2128	I	—	Ignition Control 8	G	0.5	VT/WH	2128	II	—
H	0.75	VT/BU	5292	I	—	Powertrain Main Relay Fused Supply 3	H	0.75	VT/BU	5292	II	—

X175 Engine Harness to Transmission Harness (M5U)



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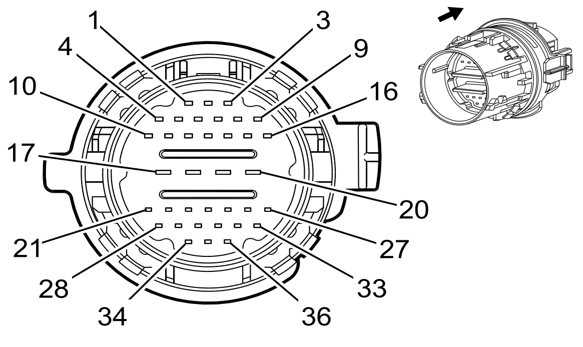


3977661

Connector Part Information

Harness Type: Engine
OEM Connector: 15504573
Service Connector: 19329922
Description: 36-Way F 1.2 MCON-CB, 2.8 MCP Series, Sealed (BK)

Connector Part Information

Harness Type: Transmission
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 36-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19119772	J-35616-35 (VT)	J-38125-557	1241388-1	Lear 17	E	C
II	19300445	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
III	Not Required	Not Availalble	No Tool Required	Not Required	Not Required	Not Required	Not Required

X175 Engine Harness to Transmission Harness (M5U)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	GN/WH	6380	II	—	TCC On/Off Solenoid A Control	1	0.5	GN/WH	6380	III	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—
3	0.5	YE/BN	6404	II	—	Clutch E Control	3	0.5	YE/BN	6404	III	—
4	0.5	GY/GN	6403	II	—	Clutch D Control	4	0.5	GY/GN	6403	III	—
5	0.5	BN	6400	II	—	Clutch A Control	5	0.5	BN	6400	III	—
6	0.5	BU	6401	II	—	Clutch B Control	6	0.5	BU	6401	III	—
7	0.5	YE/BN	6210	II	—	TCC On/Off Solenoid B Control	7	0.5	YE/BN	6210	III	—
8 - 9	—	—	—	—	—	Not Occupied	8 - 9	—	—	—	—	—
10	0.5	GY	6402	II	—	Clutch C Control	10	0.5	GY	6402	III	—

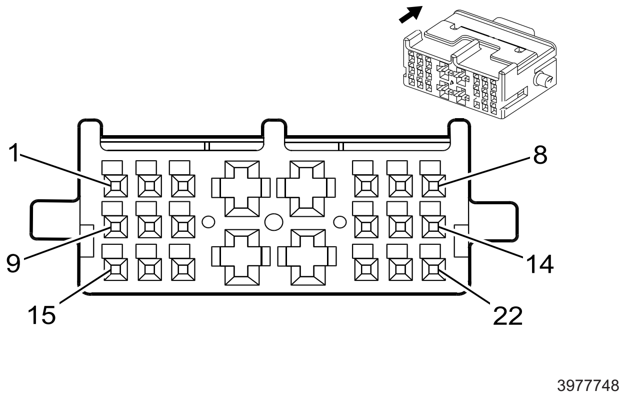
X175 Engine Harness to Transmission Harness (M5U) (cont'd)

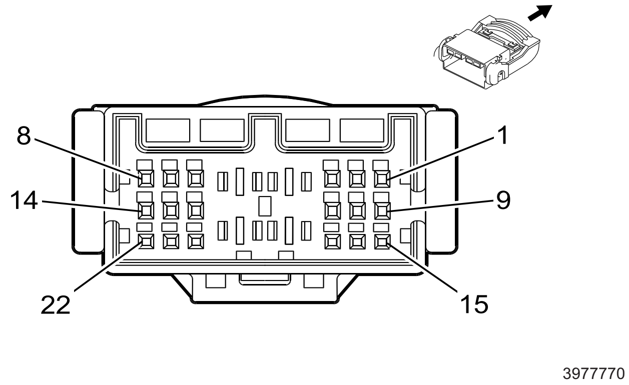
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
11	0.5	BK/BN	586	II	—	Transmission Oil Temperature Sensor Low Reference	11	0.5	BK/BN	586	III	—
12	0.5	BN/WH	585	II	—	Transmission Oil Temperature Sensor Signal	12	0.5	BN/WH	585	III	—
13	0.5	WH	4508	II	—	Transmission Clutch G Control	13	0.5	WH	4508	III	—
14	0.5	WH/BU	4507	II	—	Transmission Clutch H Control	14	0.5	WH/BU	4507	III	—
15 - 17	—	—	—	—	—	Not Occupied	15 - 17	—	—	—	—	—
18	0.75	GN/GY	6387	I	—	Transmission High Side Driver 1 Signal Driver	18	0.75	GN/GY	6387	III	—
19	0.75	GY/BN	6388	I	—	Transmission High Side Driver 2 Signal	19	0.75	GY/BN	6388	III	—
20	—	—	—	—	—	Not Occupied	20	—	—	—	—	—
21	0.5	WH/BK	5983	II	—	PRNDL C Signal	21	0.5	WH/BK	5983	III	—
22	0.5	VT/WH	5981	II	—	PRNDL A Signal	22	0.5	VT/WH	5981	III	—
23	0.5	GY/WH	4168	II	—	PRNDL P Signal	23	0.5	GY/WH	4168	III	—
24	0.5	GY/BU	6358	II	—	Output Speed Signal	24	0.5	GY/BU	6358	III	—
25	0.5	YE/GN	4170	II	—	Transmission Position Sensor B 9V Reference	25	0.5	YE/GN	4170	III	—
26	0.5	GN/YE	6353	II	—	Input Speed Signal	26	0.5	GN/YE	6353	III	—
27	0.5	YE/BU	4171	II	—	Transmission Position Sensor A 9V Reference	27	0.5	YE/BU	4171	III	—
28	0.5	GY/BN	5982	II	—	PRNDL B Signal	28	0.5	GY/BN	5982	III	—
29	0.5	YE/BU	4171	II	—	Transmission Position Sensor A 9V Reference	29	0.5	YE/BU	4171	III	—
30	0.5	BK/GY	3927	II	—	IMS Mode Switch Low Reference	30	0.5	BK/GY	3927	III	—
31	0.5	YE/GN	4170	II	—	Transmission Position Sensor B 9V Reference	31	0.5	YE/GN	4170	III	—

X175 Engine Harness to Transmission Harness (M5U) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
32	0.5	GN/ VT	4510	II	—	Transmission Intermediate Speed Signal	32	0.5	GN/ VT	4510	III	—
33	—	—	—	—	—	Not Occupied	33	—	—	—	—	—
34	0.5	GY/ YE	4169	II	—	PRNDL S Signal	34	0.5	GY/ YE	4169	III	—
35	0.5	WH/ GY	1786	II	—	Transmission Park/Neutral Signal 1	35	0.5	WH/ GY	1786	III	—
36	—	—	—	—	—	Not Occupied	36	—	—	—	—	—

X176 Transmission Harness to Transmission Harness (M5U)





Connector Part Information

Harness Type: Transmission Case

OEM Connector: 1897543-1

Service Connector: Service by Harness - See Part Catalog

Description: 22-Way F 0.64 Micro-Quadlock, 2.8 Micro-Power Series (NA)

Connector Part Information

Harness Type: Transmission Control

OEM Connector: 1897540-1

Service Connector: Service by Harness - See Part Catalog

Description: 22-Way M 0.64 Micro-Quadlock, 2.8 Micro-Power Series (NA)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

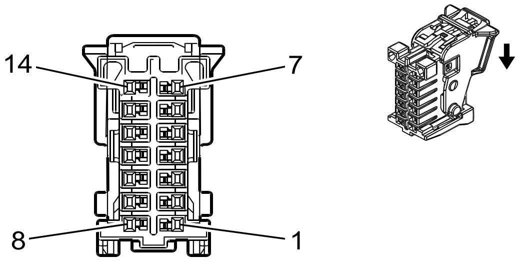
X176 Transmission Harness to Transmission Harness (M5U)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	GN/ WH	6380	I	—	TCC On/Off Solenoid A Control	1	—	GN/ WH	6380	II	—
2	—	VT/ WH	5981	I	—	PRNDL A Signal	2	—	VT/ WH	5981	II	—
3	—	GY/ BN	5982	I	—	PRNDL B Signal	3	—	GY/ BN	5982	II	—
4	—	GN/ GY	6387	I	—	Transmission High Side Driver 1 Signal Driver	4	—	GN/ GY	6387	II	—
5	—	YE/ BU	4171	I	—	Transmission Position Sensor A 9V Reference	5	—	YE/ BU	4171	II	—
6	—	GY/ YE	4169	I	—	PRNDL S Signal	6	—	GY/ YE	4169	II	—
7	—	WH/ BU	4507	I	—	Transmission Clutch H Control	7	—	WH/ BU	4507	II	—
8	—	GY/ GN	6403	I	—	Clutch D Control	8	—	GY/ GN	6403	II	—

X176 Transmission Harness to Transmission Harness (M5U) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
9	—	WH	4508	I	—	Transmission Clutch G Control	9	—	WH	4508	II	—
10	—	YE/BN	6210	I	—	TCC On/Off Solenoid B Control	10	—	YE/BN	6210	II	—
11	—	WH/BK	5983	I	—	PRNDL C Signal	11	—	WH/BK	5983	II	—
12	—	WH/GY	1786	I	—	Transmission Park/Neutral Signal 1	12	—	WH/GY	1786	II	—
13	—	GY	6402	I	—	Clutch C Control	13	—	GY	6402	II	—
14	—	YE/BN	6404	I	—	Clutch E Control	14	—	YE/BN	6404	II	—
15	—	BN/WH	585	I	—	Transmission Oil Temperature Sensor Signal	15	—	BN/WH	585	II	—
16	—	BK/BN	586	I	—	Transmission Oil Temperature Sensor Low Reference	16	—	BK/BN	586	II	—
17	—	GY/WH	4168	I	—	PRNDL P Signal	17	—	GY/WH	4168	II	—
18	—	GY/BN	6388	I	—	Transmission High Side Driver 2 Signal	18	—	GY/BN	6388	II	—
19	—	YE/GN	4170	I	—	Transmission Position Sensor B 9V Reference	19	—	YE/GN	4170	II	—
20	—	BK/GY	3927	I	—	IMS Mode Switch Low Reference	20	—	BK/GY	3927	II	—
21	—	BN	6400	I	—	Clutch A Control	21	—	BN	6400	II	—
22	—	BU	6401	I	—	Clutch B Control	22	—	BU	6401	II	—

X176 Transmission Harness to Transmission Harness (MO5)



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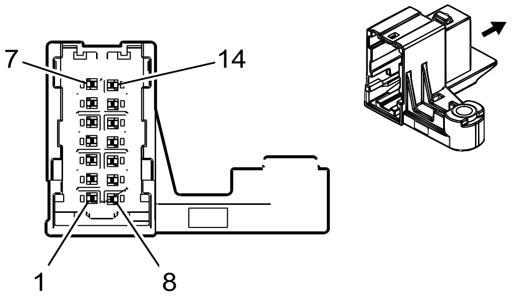


4789277

Connector Part Information

Harness Type: Transmission Case
OEM Connector: 7289-4764
Service Connector: Service by Harness - See Part Catalog
Description: 14-Way F 1.2 MCON Series

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 7288-4763
Service Connector: Service by Harness - See Part Catalog
Description: 14-Way M 1.2 MCON Series

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

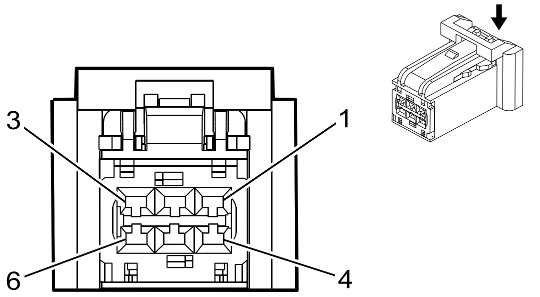
X176 Transmission Harness to Transmission Harness (MO5)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	BU/BN	586	I	—	Transmission Oil Temperature Sensor Low Reference	1	—	BN/BU	586	II	—
2	—	BN/YE	585	I	—	Transmission Oil Temperature Sensor Signal	2	—	BN/YE	585	II	—
3	—	YE/VT	6403	I	—	Clutch D Control	3	—	YE/VT	6403	II	—
4	—	BU/GY	4509	I	—	Transmission Clutch F Control	4	—	BU/GY	4509	II	—
5	—	BU/GN	6388	I	—	Transmission High Side Driver 2 Signal	5	—	BU/GN	6388	II	—
7	—	GY/BN	4507	I	—	Transmission Clutch H Control	7	—	GY/BN	4507	II	—
8	—	BU/GN	6400	I	—	Clutch A Control	8	—	BU/GN	6400	II	—
9	—	GN/BN	6401	I	—	Clutch B Control	9	—	GN/BN	6401	II	—

X176 Transmission Harness to Transmission Harness (MO5) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
10	—	GY/OG	6402	I	—	Clutch C Control	10	—	GY/OG	6402	II	—
11	—	BN/WH	6404	I	—	Clutch E Control	11	—	BN/WH	6404	II	—
12	—	BN	6387	I	—	Transmission High Side Driver 1 Signal Driver	12	—	BN	6387	II	—
14	—	GN/OG	4508	I	—	Transmission Clutch G Control	14	—	GN/OG	4508	II	—

X177 Transmission Harness to Transmission Harness (M5U)



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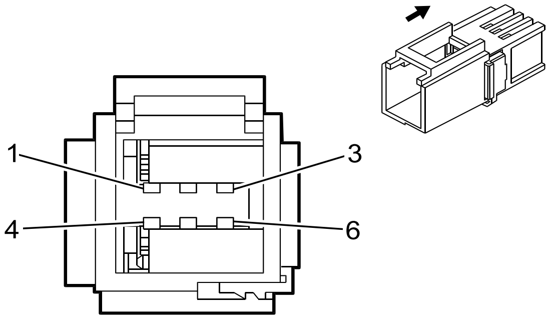


3977959

Connector Part Information

Harness Type: Transmission Case
OEM Connector: 13960975
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 1.2 OCS Series (NA)

Connector Part Information

Harness Type: Transmission Speed Sensor
OEM Connector: 13955963
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M 0.64 II Series (GY)

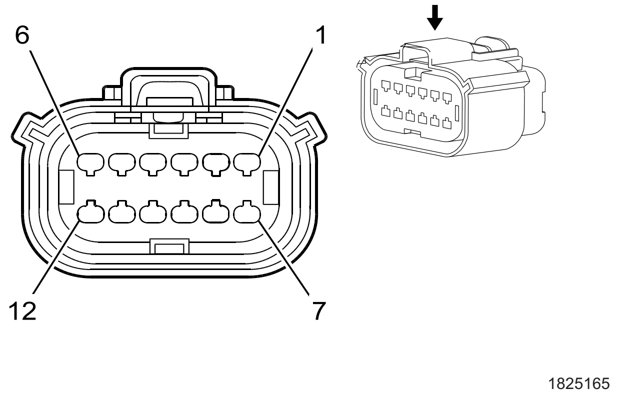
Terminal Part Information

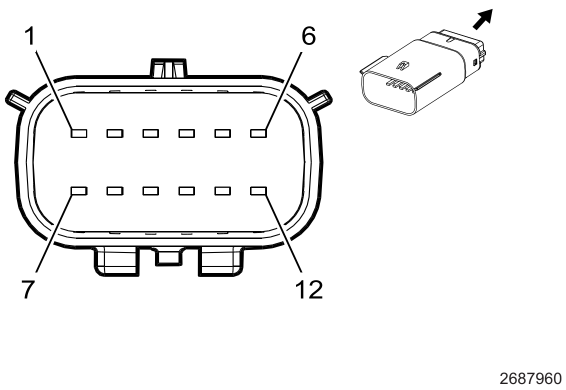
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X177 Transmission Harness to Transmission Harness (M5U)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	GY/ BU	6358	I	—	Output Speed Signal	1	—	GY/ BU	6358	II	—
2	—	YE/ GN	4170	I	—	Transmission Position Sensor B 9V Reference	2	—	YE/ GN	4170	II	—
3	—	YE/ GN	4170	I	—	Transmission Position Sensor B 9V Reference	3	—	YE/ GN	4170	II	—
4	—	YE/ BU	4171	I	—	Transmission Position Sensor A 9V Reference	4	—	YE/ BU	4171	II	—
5	—	GN/ YE	6353	I	—	Input Speed Signal	5	—	GN/ YE	6353	II	—
6	—	GN/ VT	4510	I	—	Transmission Intermediate Speed Signal	6	—	GN/ VT	4510	II	—

X182 Chassis Harness to Power Steering Jumper Harness





Connector Part Information

Harness Type: Chassis
OEM Connector: 13609715
Service Connector: 19178148
Description: 12-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Power Steering Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

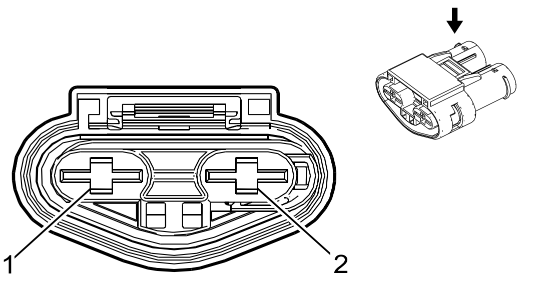
X182 Chassis Harness to Power Steering Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.5	WH	2501	I	—	High Speed GMLAN Serial Data (-) 1	2	0.5	WH	2501	II	—
3	0.5	BU	2500	I	—	High Speed GMLAN Serial Data (+) 1	3	0.5	BU	2500	II	—
4	0.5	WH	6106	I	—	High Speed GMLAN Serial Data (-) 2	4	0.5	WH	6106	II	—
5	0.5	BU/YE	6105	I	—	High Speed GMLAN Serial Data (+) 2	5	0.5	BU/YE	6105	II	—
6 - 7	—	—	—	—	—	Not Occupied	6 - 7	—	—	—	—	—
8	0.5	WH/BU	5986	I	—	Serial Data Communication Enable	8	0.5	WH/BU	5986	II	—

X182 Chassis Harness to Power Steering Jumper Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
9	0.5	WH	2501	I	—	High Speed GMLAN Serial Data (-) 1	9	0.5	WH	2501	II	—
10	0.5	BU	2500	I	—	High Speed GMLAN Serial Data (+) 1	10	0.5	BU	2500	II	—
11	0.5	WH	6106	I	—	High Speed GMLAN Serial Data (-) 2	11	0.5	WH	6106	II	—
12	0.5	BU/ YE	6105	I	—	High Speed GMLAN Serial Data (+) 2	12	0.5	BU/ YE	6105	II	—

X183 Battery Cable Jumper to Power Steering Jumper Harness



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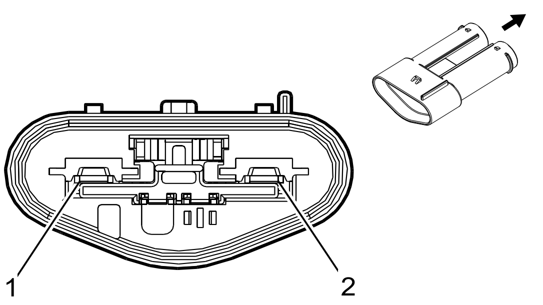

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Connector Part Information

Harness Type: Battery Cable Jumper
OEM Connector: 13582139
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 2.8 Series, Sealed (BK)

Connector Part Information

Harness Type: Power Steering Jumper
OEM Connector: 28287534
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M (BK)

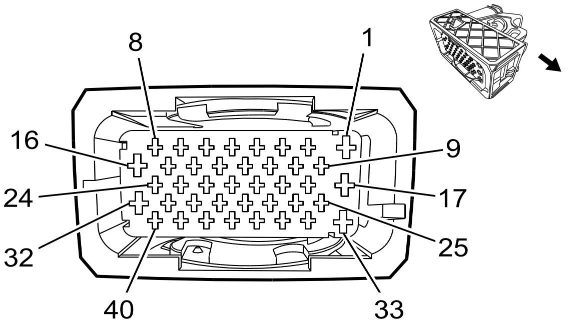
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X183 Battery Cable Jumper to Power Steering Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	RD/VT	842	I	—	Battery Positive Voltage	1	—	RD/VT	842	II	—
2	—	BK	350	I	—	Ground	2	—	BK	350	II	—

X185 Chassis Harness to Body Harness



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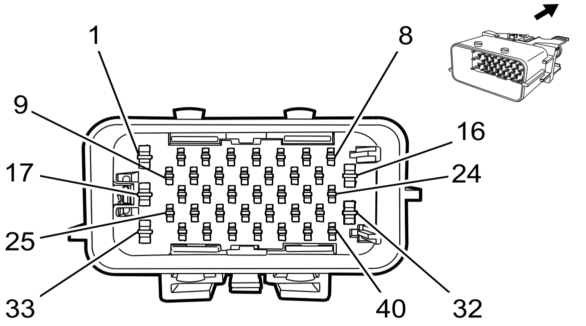


2339640

Connector Part Information

Harness Type: Chassis
OEM Connector: 13603185
Service Connector: 13576549
Description: 40-Way F 1.5, 2.8 Series, Sealed (BK)

Connector Part Information

Harness Type: Body
OEM Connector: 13603208
Service Connector: 13576551
Description: 40-Way M 1.5 DSQ, 2.8 ATS Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13578884	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
II	13580829	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
III	19353105	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IV	13505807	J-35616-19 (BK)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VII	13580827	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VIII	19352419	J-35616-19 (BK)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X185 Chassis Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5 0.5	VT/WH GN/BK	639 7633	II III	VQ9 -VQ9	Run/Crank Ignition 1 Voltage Integrated Trailer Brake Controller User Gain Signal	1	2.5 0.5	VT/WH GN/BK	639 7633	VI VII	VQ9 -VQ9

X185 Chassis Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
2	0.5	GN/ BN	2087	I	—	Combined Vehicle Inertial Sensor Supply Voltage	2	0.35	GN/ BN	2087	VIII	—
3	0.5	YE	7635	I	—	Integrated Trailer Brake Controller Manual Apply Signal	3	0.5	YE	7635	IV	—
4	0.5	BU/ RD	7632	I	—	Integrated Trailer Brake Controller Switch 5V Reference	4	0.5	BU/ RD	7632	IV	—
5	0.5	BN	7634	I	—	Integrated Trailer Brake Controller Redundant Manual Apply Signal	5	0.5	BN	7634	IV	—
6	0.5	BK/ YE	7631	I	—	Integrated Trailer Brake Controller Switch Low Reference	6	0.5	BK/ BN	7631	IV	—
7	—	—	—	—	—	Not Occupied	7	—	—	—	—	—
8	0.5	GN	5060	I	—	Low Speed GMLAN Serial Data	8	0.5	GN	5060	IV	—
9	0.5	GY/ RD	7684	I	—	Park Brake Apply Switch Voltage Reference	9	0.35	GY/ RD	7684	VIII	—
10	0.5	BN	6107	I	—	Park Brake Apply Switch Signal	10	0.35	BN	6107	VIII	—
11	0.5	BU/ WH	1134	I	—	Park Brake Switch Signal	11	0.35	BU/ VT	1134	VIII	—
12	0.5	BU/ BK	6108	I	—	Park Brake Release Switch Signal	12	0.35	BU/ BK	6108	VIII	—
13	0.5	YE/ RD	7683	I	—	Park Brake Release Switch Voltage Reference	13	0.35	YE/ RD	7683	VIII	—
14	0.5	YE	1492	I	—	Park Brake Switch Supply Voltage	14	0.35	YE	1492	VIII	—
15	0.5	BK/ BN	6045	I	—	Steering Angle Sensor Low Reference	15	0.35	BK/ BN	6045	VIII	—
16	2.5	RD/ BU	6740	II	—	Battery Positive Voltage	16	2.5	RD/ BU	6740	VI	—

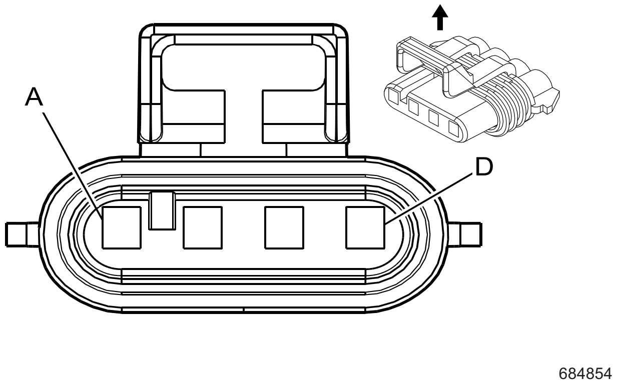
X185 Chassis Harness to Body Harness (cont'd)

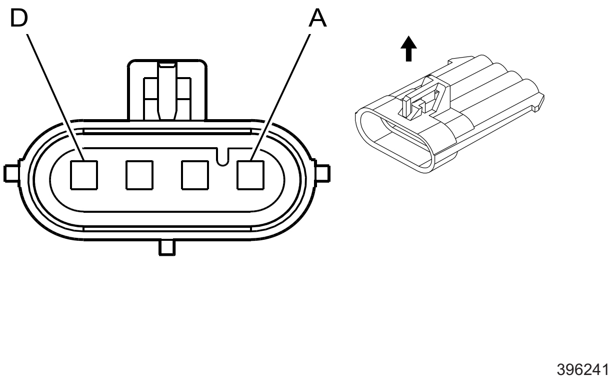
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
17	0.5	WH/BU	5986	III	N08	Serial Data Communication Enable	17	0.5	WH/BU	5986	VII	N08
18	0.5	BU	2500	I	—	High Speed GMLAN Serial Data (+) 1	18	0.5	BU	2500	IV	—
19	0.5	WH	2501	I	—	High Speed GMLAN Serial Data (-) 1	19	0.5	WH	2501	IV	—
20	0.5	VT/YE	5985	I	—	Accessory Wakeup Serial Data	20	0.5	VT/YE	5985	IV	—
21 - 23	—	—	—	—	—	Not Occupied	21 - 23	—	—	—	—	—
24	0.75	BN/YE	294	I	—	Door Lock Actuator Unlock Control	24	0.75	BN/YE	294	V	—
25	0.75	GY	5911	I	—	Door Lock Actuator Lock Control 2	25	0.75	GY	295	V	—
26	—	—	—	—	—	Not Occupied	26	—	—	—	—	—
27	0.5	WH/BU	5986	I	—	Serial Data Communication Enable	27	0.5	WH/BU	5986	IV	—
28	0.5	GN	5060	I	—	Low Speed GMLAN Serial Data	28	0.5	GN	5060	IV	—
29 - 31	—	—	—	—	—	Not Occupied	29 - 31	—	—	—	—	—
32	2.5	BU	47	II	—	Trailer Auxiliary Control	32	2.5	BU	47	VI	—
33	2.5	RD/BU	1842	II	—	Battery Positive Voltage	33	2.5	RD/BU	1842	VI	—
34	0.5	GY/GN	5996	I	—	Driver Outside Rear View Mirror Puddle Lamp Control	34	0.5	GY/GN	5996	IV	—
35	0.5	VT/WH	1139	I	—	Run/Crank Ignition 1 Voltage	35	0.5	VT/YE	1139	IV	—
36	0.5	VT/WH	5065	I	—	Stop Lamp Relay Coil Control	36	0.5	VT/WH	5065	IV	—
37 - 38	—	—	—	—	—	Not Occupied	37 - 38	—	—	—	—	—
39	0.5	BN/WH	7462	I	—	Running Boards Disable Signal	39	0.35	BU/YE	6844	VIII	—

X185 Chassis Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
40	0.5	GN/ GY	817	I	—	Vehicle Speed Signal	40	0.5	GN/ GY	817	IV	—

X195 Body Harness to Underhood Harness





Connector Part Information

Harness Type: Body
OEM Connector: 12162144
Service Connector: 13582063
Description: 4-Way F 150 Metri-Pack Series, Sealed (BK)

Connector Part Information

Harness Type: Underhood
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M

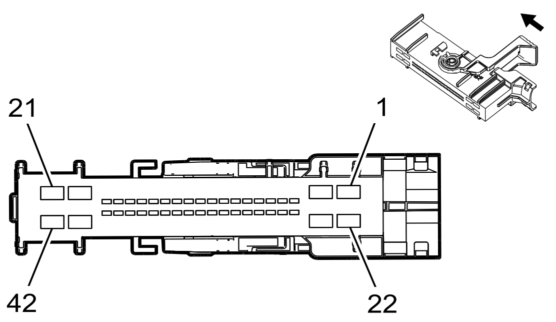
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required		No Tool Required	Not Required	Not Required	Not Required	Not Required

X195 Body Harness to Underhood Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.75	BU/ GN	6837	I	—	Siren 1 Supply	A	0.75	BU/ GN	6837	II	—
B	0.75	GN/ YE	6836	I	—	Siren 2 Supply	B	0.75	GN/ YE	6836	II	—
C	0.75	GY/ VT	6838	I	—	Front Emergency Flasher Control	C	0.75	GY/ VT	6838	II	—
D	0.75	YE/ GN	6835	I	—	Front Emergency Lamp Control	D	0.75	YE/ GN	6835	II	—

X201 Steering Column Harness to Instrument Panel Harness



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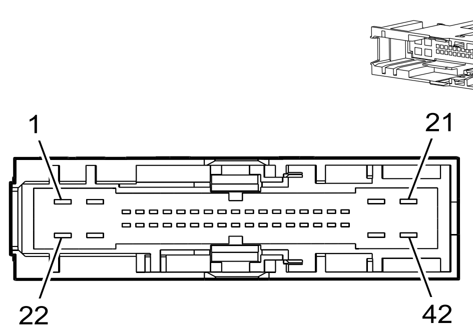


3240116

Connector Part Information

Harness Type: Steering Column
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 42-Way F

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 33155180
Service Connector: 13597187
Description: 42-Way M 0.64, 2.8 Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	13575823	J-35616-5 (PU)	J-38125-11A	7114-4110-02	Yazaki 9	E	C
III	13575823	J-35616-5 (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	13575824	J-35616-5 (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
V	19301762	J-35616-65B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
VI	19301763	J-35616-65B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

X201 Steering Column Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	RD/VT	4640	I	—	Battery Positive Voltage	1	1.5	RD/VT	4640	IV	—
2	1.5	BK	1850	I	—	Ground	2	1.5	BK	1850	IV	—
3	0.35	VT/BK	3	I	—	Run/Crank Ignition 1 Voltage	3	0.35	VT/BK	3	V	—
4	0.5	RD/BU	540	I	—	Battery Positive Voltage	4	0.5	RD/BU	540	VI	—
5	0.35	BN/BU	391	I	—	Rear Window Wiper Switch Signal	5	0.35	BN/BU	391	V	—

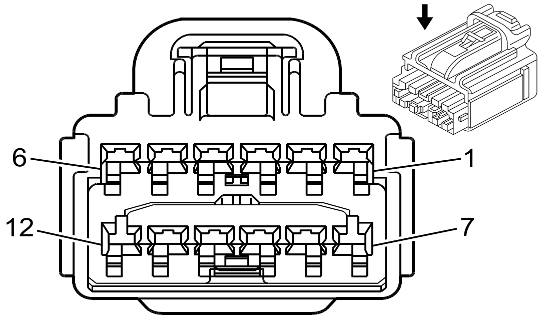
X201 Steering Column Harness to Instrument Panel Harness (cont'd)

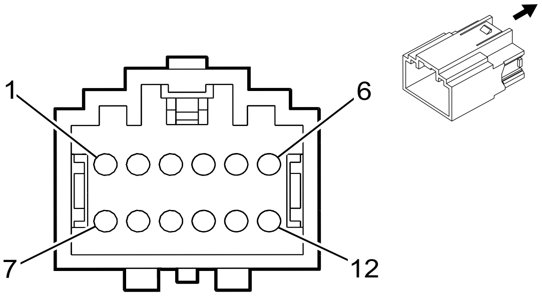
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	0.35	GN/ GY	3277	I	—	Vehicle Anti-Theft System Immobilizer Low Reference	6	0.35	GN/ GY	3277	V	—
7	0.35	GN/ VT	7533	I	—	Local Interconnect Network Serial Data Bus 11	7	0.35	GN/ VT	7533	V	—
8	0.35	GY/ BK	3276	I	—	Vehicle Anti-Theft System Immobilizer Control	8	0.35	GY/ BK	3276	V	—
9	0.35	GN/ BN	2087	I	—	Combined Vehicle Inertial Sensor Supply Voltage	9	0.35	GN/ BN	2087	V	—
10	0.5	BU/ YE	6105	I	—	High Speed GMLAN Serial Data (+) 2	10	0.5	BU/ YE	6105	VI	—
11	0.5	BU/ YE	6105	I	—	High Speed GMLAN Serial Data (+) 2	11	0.5	BU/ YE	6105	VI	—
12	0.35	GN	5060	I	—	Low Speed GMLAN Serial Data	12	0.35	GN	5060	V	—
13	—	—	—	—	—	Not Occupied	13	—	—	—	—	—
14	0.5	GN/ WH	7530	I	—	Local Interconnect Network Serial Data Bus 8	14	0.5	GN/ WH	7530	VI	—
15	—	—	—	—	—	Not Occupied	15	—	—	—	—	—
16	0.35	GN/ WH	111	I	—	Hazard Switch Signal	16	0.35	GN/ WH	111	V	—
17	0.5	YE/ WH	816	I	—	Brake Transmission Shift Interlock Solenoid Control	17	0.5	YE/ WH	816	VI	—
18	—	—	—	—	—	Not Occupied	18	—	—	—	—	—
19	0.35	GN/ VT	1601	I	—	Steering Column Lock Signal	19	0.35	GN/ VT	1601	V	—
20	1.5	BK	1050	I	—	Ground	20	1.5	BK	1050	IV	—
21	0.75	RD/ GY	4140	I	—	Battery Positive Voltage	21	0.75	RD/ GY	4140	III	—
22	—	—	—	—	—	Not Occupied	22	—	—	—	—	—

X201 Steering Column Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
23	0.75	BU/VT	807	I	—	OFF /Accessory Ignition Voltage	23	0.75	BU/VT	807	III	—
24	0.35	VT/YE	4	I	—	Accessory Ignition Voltage	24	0.35	VT/YE	4	V	—
25	0.35	RD/YE	3040	I	—	Battery Positive Voltage	25	0.35	RD/YE	3040	V	—
26 - 29	—	—	—	—	—	Not Occupied	26 - 29	—	—	—	—	—
30	0.5	GN/WH	7527	I	—	Local Interconnect Network Serial Data Bus 5	30	0.5	GN/WH	7527	VI	—
31	0.5	WH	6106	I	—	High Speed GMLAN Serial Data (-) 2	31	0.5	WH	6106	VI	—
32	0.5	WH	6106	I	—	High Speed GMLAN Serial Data (-) 2	32	0.5	WH	6106	VI	—
33	0.5	GN/BK	3894	I	—	Local Interconnect Network Serial Data Bus 12	33	0.5	GN/BK	3894	VI	—
34 - 37	—	—	—	—	—	Not Occupied	34 - 37	—	—	—	—	—
38	0.35	BN	6136	I	—	Control	38	0.35	BN	6136	V	—
39	0.35	BU/VT	5904	I	—	Steering Column Lock Status Signal	39	0.35	BU/VT	5904	V	—
40	0.35	GN/WH	1932	I	—	Shift Select Switch Park Signal	40	0.35	GN/WH	1932	V	—
41	0.5	VT/WH	1139	I	—	Run/Crank Ignition 1 Voltage	41	0.5	VT/WH	1139	II	—
42	0.5	BK/WH	1851	I	—	Signal Ground	42	0.5	BK/WH	1851	II	—

X203 Headliner Harness to Instrument Panel Harness





Connector Part Information

Harness Type: Headliner
OEM Connector: 13507762
Service Connector: 89046712
Description: 12-Way F YESC Kaizen Series (L-GY)

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13507705
Service Connector: 88988266
Description: 12-Way M 1.5 Series (L-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575850	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	13578891	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
IV	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available
V	19300435	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

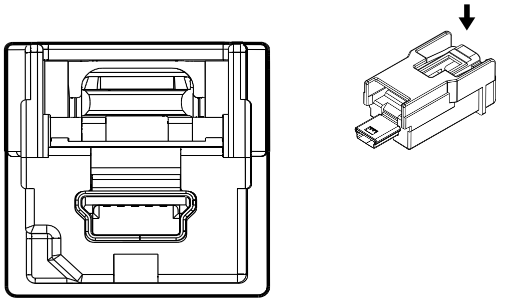
X203 Headliner Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	BK/WH	2550	I	—	Ground	1	0.35	BK	2550	IV	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—
3	0.35	BK/BN	654	III	—	Cellular Telephone Microphone Low Reference	3	0.35	BK/BN	654	IV	—
4	0.35	BU	655	III	—	Cellular Telephone Microphone Signal	4	0.35	BU	655	IV	—
5	0.5	RD/GN	1540	II	—	Battery Positive Voltage	5	0.5	RD/GN	1540	V	—
6	0.35	WH/BU	5986	III	—	Serial Data Communication Enable	6	0.5	WH/BU	5986	V	—

X203 Headliner Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.35	GN/ YE	7531	II	—	Local Interconnect Network Serial Data Bus 9	7	—	—	—	—	—
8	0.35	BU/ GY	3935	III	—	High Speed GMLAN Serial Data (+) 8	8	0.35	BU/ GY	3935	IV	—
9	0.35	WH/ GY	3936	III	—	High Speed GMLAN Serial Data (-) 8	9	0.35	WH/ GY	3936	IV	—
10	0.5	GN/ YE	7066	I	—	Entertainment Remote Enable Signal	10	0.35	GN/ YE	7066	IV	—
11	0.35	BU/ GY	3935	III	—	High Speed GMLAN Serial Data (+) 8	11	0.5	BU/ GY	3935	V	—
12	0.35	WH/ GY	3936	III	—	High Speed GMLAN Serial Data (-) 8	12	0.5	WH/ GY	3936	V	—

X204 Instrument Panel Harness LVDS to Headliner Harness LVDS (U42)



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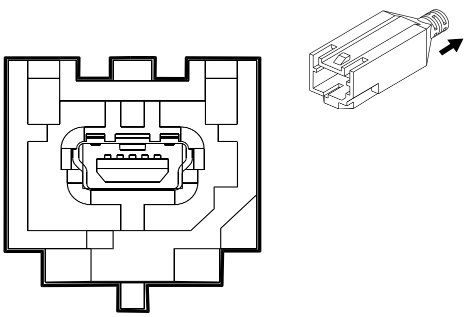


3214019

Connector Part Information

Harness Type: Headliner LVDS
OEM Connector: 13927855
Service Connector: Service by Harness - See Part Catalog
Description: 1-Way F

Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13933708
Service Connector: Service by Harness - See Part Catalog
Description: 1-Way M

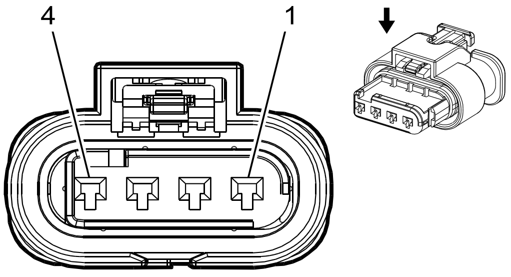
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X204 Instrument Panel Harness LVDS to Headliner Harness LVDS (U42)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
U-SB	—	—	—	—	—	Not Occupied	US-B	—	—	—	—	—
WH	—	—	LVDS	I	—	Video Display Signal	WH	—	—	LVDS	II	—

X205 Instrument Panel Harness to Passenger Air Bag Jumper Harness



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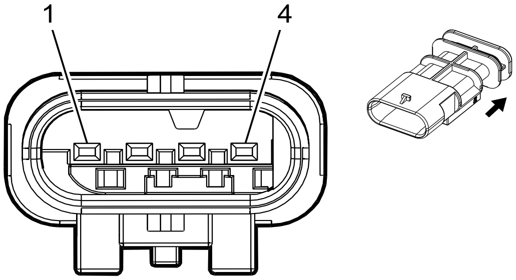


2684563

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13854531
Service Connector: 13586137
Description: 4-Way F 1.2 Series, Sealed (YE)

Connector Part Information

Harness Type: Passenger Air Bag Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M

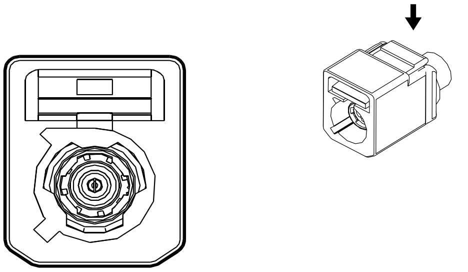
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-17 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X205 Instrument Panel Harness to Passenger Air Bag Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	YE/ OG	3025	I	—	Passenger IP Module Stage 1 High Control	1	0.35	YE/ OG	3025	II	—
2	0.35	OG/ WH	3024	I	—	Passenger IP Module Stage 1 Low Control	2	0.35	OG/ WH	3024	II	—
3	0.35	GY/ OG	3027	I	—	Passenger IP Module Stage 2 High Control	3	0.35	GY/ OG	3027	II	—
4	0.35	OG/ VT	3026	I	—	Passenger IP Module Stage 2 Low Control	4	0.35	OG/ VT	3026	II	—

X212 GPS Antenna Jumper Harness COAX to Instrument Panel Harness COAX (CV3+UE1)



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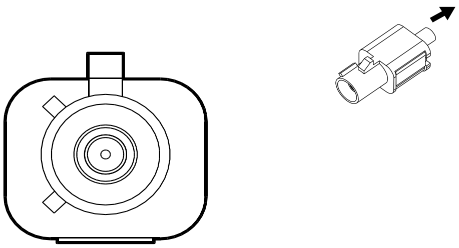


2871883

Connector Part Information

Harness Type: GPS Antenna Jumper COAX

OEM Connector: 13581970

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way F Coax Type (BN)

Connector Part Information

Harness Type: Instrument Panel COAX

OEM Connector: 13580571

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way M Coax Type (VT)

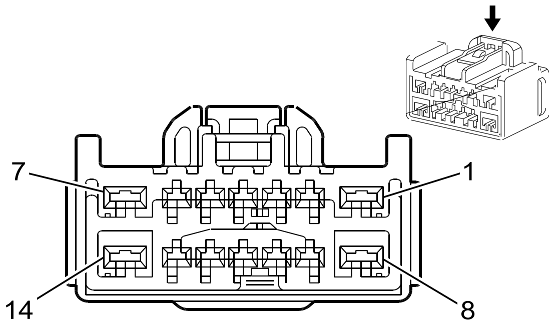
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X212 GPS Antenna Jumper Harness COAX to Instrument Panel Harness COAX (CV3+UE1)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	—	—	Coax	—	I	—

X215 HVAC Harness to Instrument Panel Harness



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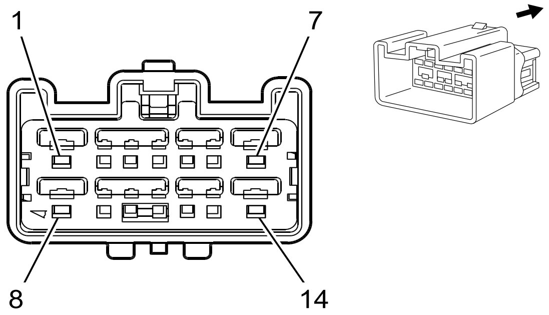


1283905

Connector Part Information

Harness Type: HVAC
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 14-Way F

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 10846900
Service Connector: 88956523
Description: 14-Way M 1.5, 2.8 Series (L-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available

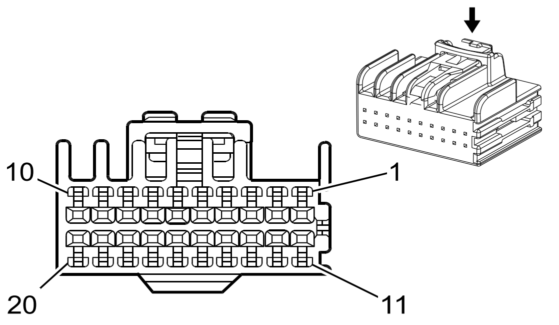
X215 HVAC Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.35	GN	5060	I	—	Low Speed GMLAN Serial Data	2	0.35	GN	5060	II	—
3	0.35	GN/ YE	7531	I	—	Local Interconnect Network Serial Data Bus 9	3	0.35	GN/ YE	7531	II	—
4	0.5	RD/ VT	3340	I	—	Battery Positive Voltage	4	0.5	RD/ VT	3340	II	—
5	0.5	VT/ GY	539	I	—	Run/Crank Ignition 1 Voltage	5	0.5	VT/ GY	539	II	—
6 - 8	—	—	—	—	—	Not Occupied	6 - 8	—	—	—	—	—
9	0.35	BK/ WH	1851	I	—	Signal Ground	9	0.35	BK/ WH	1851	II	—
10	0.35	BK/ YE	1791	I	—	Air Temperature Door Control Low Reference	10	0.35	BK/ YE	1791	II	—

X215 HVAC Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
11	0.35	BU/WH	734	I	—	Inside Air Temperature Sensor Signal	11	0.35	BU/WH	734	II	—
12	0.35	GY	590	I	—	Solar Sensor Driver Signal	12	0.35	GY	590	II	—
13	0.35	YE/VT	1783	I	—	Twilight Sentinel Delay Signal	13	0.35	YE/VT	1783	II	—
14	—	—	—	—	—	Not Occupied	14	—	—	—	—	—

X216 Body Harness to HVAC Harness



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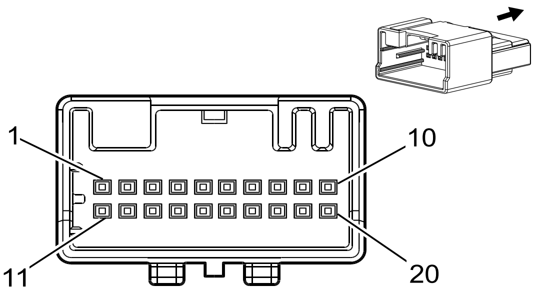


1483279

Connector Part Information

Harness Type: Body
OEM Connector: 13899026
Service Connector: 88988264
Description: 20-Way F 0.64 YESC Series (L-GY)

Connector Part Information

Harness Type: HVAC
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 20-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575847	J-35616-64B (LT BU)	J-38125-553	7116-4720-02	Yazaki 14	H	H
II	13578896	J-35616-64B (LT BU)	J-38125-553	7116-4721-02	Yazaki 14	J	J
III	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

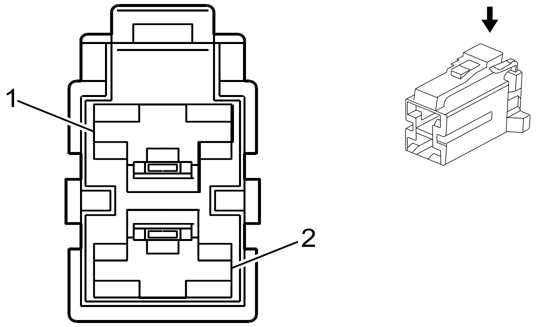
X216 Body Harness to HVAC Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1 - 5	—	—	—	—	—	Not Occupied	1 - 5	—	—	—	—	—
6	0.5	BU/ YE	7574	II	—	Electric Variable Displacement Control	6	0.5	BU/ YE	7574	III	—
7	0.5	BU/ BN	7573	II	—	Electric Variable Displacement Supply	7	0.5	BU/ BN	7573	III	—
8	0.35	BK/ YE	407	I	—	Sensor Low Reference	8	0.35	BK/ YE	407	III	—
9	0.35	BN/ BK	405	I	—	Lower Air Temperature Sensor Signal	9	0.35	BN/ BK	405	III	—
10	0.35	BN	404	I	—	Upper Air Temperature Sensor Signal	10	0.35	BN	404	III	—
11	—	—	—	—	—	Not Occupied	11	—	—	—	—	—

X216 Body Harness to HVAC Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
12	0.35	GN/ BK	2211	I	—	Rear Blower Motor Speed Control	12	0.35	GN/ BK	2211	III	—
13	0.35	BN/ VT	193	I	—	Rear Defog Relay Control	13	0.35	BN/ VT	193	III	—
14	0.35	GY/ RD	598	I	—	5V Reference	14	0.35	GY/ RD	598	III	—
15	0.35	GY/ BU	2145	I	—	Passenger Air Temperature Switch Signal	15	0.35	GY/ BU	2145	III	—
16	0.35	GY	2614	I	—	Rear Air Temperature Door Control	16	0.35	GY	2614	III	—
17	0.35	WH/ BN	2775	I	—	Rear Air Temperature Motor Control	17	0.35	WH/ BN	2775	III	—
18	0.35	GY	2599	I	—	Rear Mode Motor Signal	18	0.35	GY	2599	III	—
19	0.35	BK/ GN	5730	I	—	Rear Mode Motor Low Reference	19	0.35	BK/ GN	5730	III	—
20	0.35	GN/ WH	5729	I	—	Rear Mode Motor Control	20	0.35	GN/ WH	5729	III	—

X217 Body Harness to HVAC Harness



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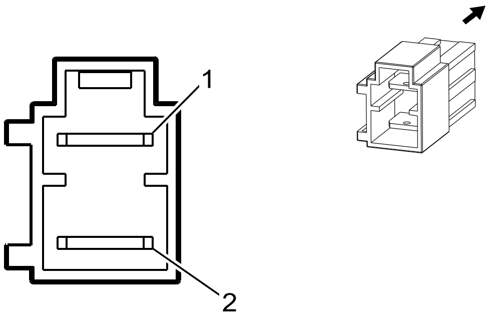


1989490

Connector Part Information

Harness Type: Body
OEM Connector: 10721337
Service Connector: 88953301
Description: 2-Way F 56 Series (BK)

Connector Part Information

Harness Type: HVAC
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M

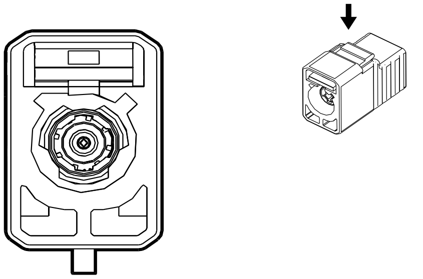
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-22 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-21 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X217 Body Harness to HVAC Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	4	RD/ VT	542	I	—	Battery Positive Voltage	1	4	RD/ VT	542	II	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—

X221 Instrument Panel Harness COAX to Headliner Harness COAX



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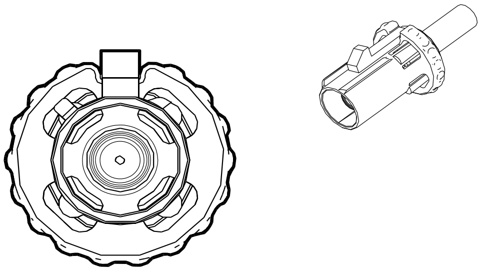


4109605

Connector Part Information

Harness Type: Instrument Panel COAX

OEM Connector: 13581685

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way F Coax Type (BK)

Connector Part Information

Harness Type: Headliner COAX

OEM Connector: 13581673

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way M Coax Type (BK)

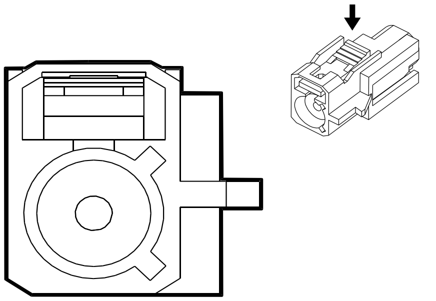
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X221 Instrument Panel Harness COAX to Headliner Harness COAX

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(AM/FM) Antenna RF Signal	—	—	Coax	—	I	—

X222 Instrument Panel Harness COAX to A-Pillar Harness COAX (IO6+VV4/CV3)



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3633439

Connector Part Information

Harness Type: Instrument Panel COAX

OEM Connector: 13585498

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way F Coax Type (PU)

Connector Part Information

Harness Type: A-Pillar COAX

OEM Connector: Not Available

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way M

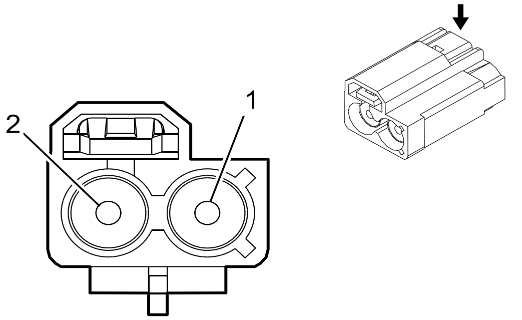
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X222 Instrument Panel Harness COAX to A-Pillar Harness COAX (IO6+VV4/CV3)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	—	—	Coax	—	I	—

X222 Instrument Panel Harness COAX to A-Pillar Harness COAX (VV4/CV3-IO6)



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4283324

Connector Part Information

Harness Type: Instrument Panel COAX

OEM Connector: 13589366

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 2-Way F Coax Type (PU)

Connector Part Information

Harness Type: A-Pillar COAX

OEM Connector: Not Available

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 2-Way M

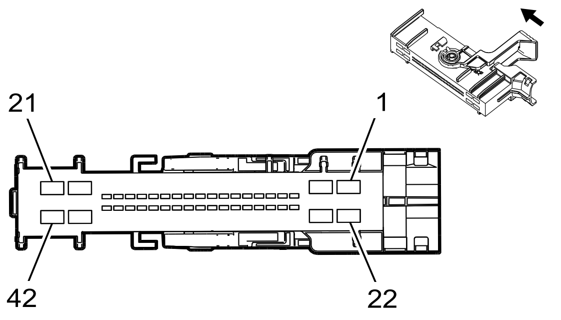
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X222 Instrument Panel Harness COAX to A-Pillar Harness COAX (VV4/CV3-IO6)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	—	—	Coax	—	I	—

X225 Body Harness to Instrument Panel Harness



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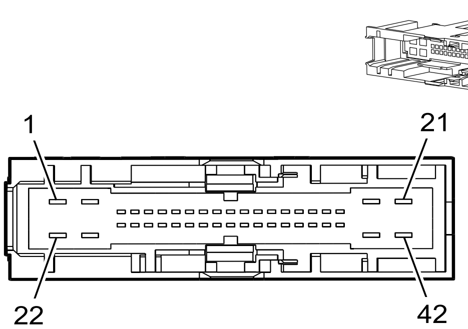


3240116

Connector Part Information

Harness Type: Body
OEM Connector: 33160247
Service Connector: 19301820
Description: 42-Way F 1.2, 2.8 Series (GY)

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 33155179
Service Connector: 13586233
Description: 42-Way M 0.64, 2.8 Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300649	J-35616-16 (LT GN)	J-38125-553	Not Available	Not Available	Not Available	Not Available
II	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	13575823	J-35616-5 (PU)	J-38125-11A	7114-4110-02	Yazaki 9	E	C
V	19301762	J-35616-65B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
VI	19301763	J-35616-65B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
VII	19329828	J-35616-5 (PU)	J-38125-212	Not Available	Not Available	Not Available	Not Available
VIII	19333310	J-35616-65B (LT BU)	J-38125-553	Not Available	Not Available	Not Available	Not Available

X225 Body Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	YE/GY	1956	III	—	Left Front Tweeter Speaker (-) Low Reference	1	0.75	YE/GY	1956	VII	—
2	1.5	BK	1850	II	—	Ground	2	0.75	BK	1850	VII	—
3	0.5	GN/WH	7530	I	—	Local Interconnect Network Serial Data Bus 8	3	0.5	GN/WH	7530	VI	—

X225 Body Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
4	0.5	WH/BN	6815	I	—	Inadvertent Power Control	4	0.5	WH/BN	6815	VI	—
5	0.35	GY/WH	3272	I	—	Remote Function Actuator Control	5	0.35	GY/WH	3272	V	—
6	0.35	BU/WH	3275	I	—	Remote Function Actuator Receive Signal	6	0.35	BU/WH	3275	V	—
7	0.35	VT/YE	43	I	—	Accessory Ignition Voltage	7	0.35	VT/YE	43	V	—
8	0.35 0.5	GN GY/VT	3998 3998	I I	UQA/UQG/UQH/UQS -UQA-UQG-UQH-UQS	MOST Serial Data (+) MOST Serial Data (+)	8	0.5	GY/VT	3998	VI	—
9	0.35	BN/BK	3552	I	—	Passive Start Interior Antenna 1 Signal Hi	9	0.35	BN/BK	3552	V	—
10	0.35	WH	3553	I	—	Passive Start Interior Antenna 1 Signal Lo	10	0.35	WH	3553	V	—
11	0.5	WH/GN	3997	I	—	MOST Serial Data (-)	11	0.5	WH/GN	3997	VI	—
12	0.5	BN/BU	118	I	—	Left Front Speaker Signal (-) 1	12	0.5	BN/BU	118	VI	—
13	0.35	BK/GY	3559	I	—	Passive Start Switch 2 Low Reference	13	0.35	BK/GY	3559	V	—
14	0.5	GN	199	I	—	Left Rear Speaker Control (+)	14	0.5	GN	199	VI	—
15	0.5	BU/VT	3813	I	—	High Speed GMLAN Serial Data (+) 4	15	0.5	BU/VT	3813	VI	—
16	0.5	WH	3811	I	—	High Speed GMLAN Serial Data (-) 4	16	0.5	WH	3811	VI	—
17	0.35	VT/BK	3	I	—	Run/Crank Ignition 1 Voltage	17	0.35	VT/BK	3	V	—
18	0.35	VT/YE	4	I	—	Accessory Ignition Voltage	18	0.35	VT/YE	4	V	—
19	0.5	GN/WH	24	I	—	Backup Lamp Control	19	0.35	GN/WH	24	V	—

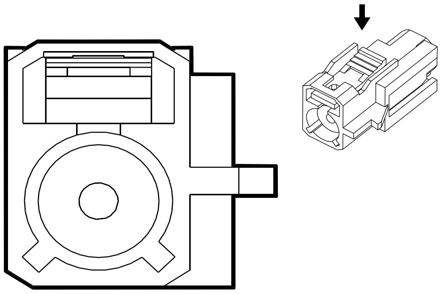
X225 Body Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
20	0.5 0.75	BN/BU BN/BU	118 118	III	UQ3 UQ3/UQ5	Left Front Speaker Signal (-) 1 Left Front Speaker Signal (-) 1	20	0.75	BN/BU	118	VII	—
21	0.35	GN/BK	3558	III	—	Passive Start Switch Signal 2	21	0.35	GN/BK	3558	IV	—
22	0.75	YE/BU	1856	III	—	Left Front Tweeter Speaker Control (+)	22	0.75	YE/BU	1856	VII	—
23	0.35	GN	4512	III	—	Wireless Charging System Charge Indicator Control	23	0.35	GN	4512	VII	—
24	0.35	BU/BN	3161	I	—	Parallel Park Assist Disable Switch Signal	24	0.35	BU/BN	3161	V	—
25	0.35	BN/WH	419	I	—	Check Engine Indicator Control	25	0.35	BN/WH	419	V	—
26	0.35	YE/GN	3274	I	—	Remote Function Actuator Transmit Signal	26	0.35	YE/GN	3274	V	—
27	0.35	GY	3273	I	—	Remote Function Actuator Low Reference	27	0.35	GY	3273	V	—
28	0.5	BK	1850	I	—	Ground	28	0.75	BK	1850	VIII	—
29	0.35 0.5	YE WH/GN	3997 3997	I I	UQA/UQG/UQH/UQS -UQA-UQG-UQH-UQS	MOST Serial Data (-) MOST Serial Data (-)	29	0.5	WH/GN	3997	VI	—
30	0.35	BU/VT	1134	I	—	Park Brake Switch Signal	30	0.35	BU/VT	1134	V	—
31	0.35	GY/RD	7684	I	—	Park Brake Apply Switch Voltage Reference	31	0.35	GY/RD	7684	V	—
32	0.5	GY/VT	3998	I	—	MOST Serial Data (+)	32	0.5	GY/VT	3998	VI	—
33	0.5	BU	201	I	—	Left Front Speaker Control (+) 1	33	0.5	BU	201	VI	—
34	0.35	BN	6107	I	—	Park Brake Apply Switch Signal	34	0.35	BN	6107	V	—

X225 Body Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
35	0.5	GN/ BK	116	I	—	Left Rear Speaker Signal (-)	35	0.5	GN/ BK	116	VI	—
36	0.35	BU/ BK	6108	I	—	Park Brake Release Switch Signal	36	0.35	BU/ BK	6108	V	—
37	0.35	YE/ RD	7683	I	—	Park Brake Release Switch Voltage Reference	37	0.35	YE/ RD	7683	V	—
38	0.35	GN/ BN	2087	I	—	Combined Vehicle Inertial Sensor Supply Voltage	38	0.35	GN/ BN	2087	V	—
39	0.35	YE	1492	I	—	Park Brake Switch Supply Voltage	39	0.35	YE	1492	V	—
40	0.5	GN/ GY	6135	I	—	Local Interconnect Network Serial Data Bus 4	40	0.5	GN/ GY	6135	VI	—
41	0.5 0.75	BU BU	201 201	III III	UQ3 UQ3/UQ5	Left Front Speaker Control (+) 1 Left Front Speaker Control (+) 1	41	0.75	BU	201	VII	—
42	0.35	BU/ YE	6844	III	—	ABS/TCS Hill Descent Control Switch Signal	42	0.35	BU/ YE	6844	VII	—

X245 Instrument Panel COAX Harness to A-Pillar COAX Harness (U2K)



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3633495

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13688678
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (CU)

Connector Part Information

Harness Type: A-Pillar COAX
OEM Connector: Not Available
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way M

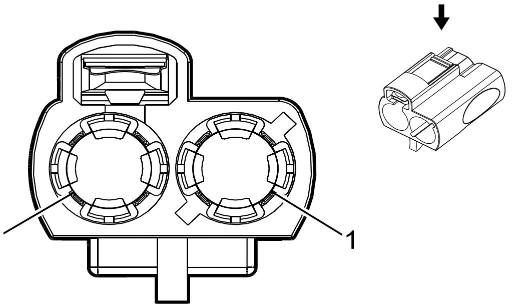
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X245 Instrument Panel COAX Harness to A-Pillar COAX Harness (U2K)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(XM +/-HD) Coaxial Antenna XM Signal	—	—	Coax	—	I	—

X245 Instrument Panel Harness COAX to A-Pillar Harness COAX (-U2K)



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2840241

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13585486
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 2-Way F Coax Type

Connector Part Information

Harness Type: A-Pillar COAX
OEM Connector: Not Available
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 2-Way M

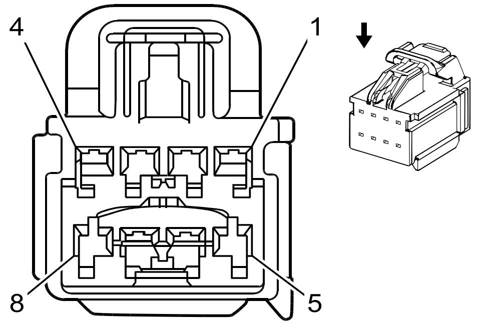
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X245 Instrument Panel Harness COAX to A-Pillar Harness COAX (-U2K)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(XM +/-HD) Coaxial Antenna XM Signal	—	—	Coax	—	I	—

X271 Instrument Panel Harness to Instrument Panel Harness (WX7)



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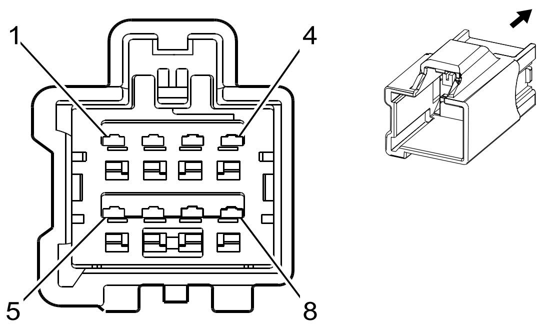


1849807

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 10846802
Service Connector: 19153166
Description: 8-Way F 1.5 YESC Kaizen Series (L-GY)

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 10847035
Service Connector: 19153162
Description: 8-Way M 1.5 YESC Kaizen Series (L-GY)

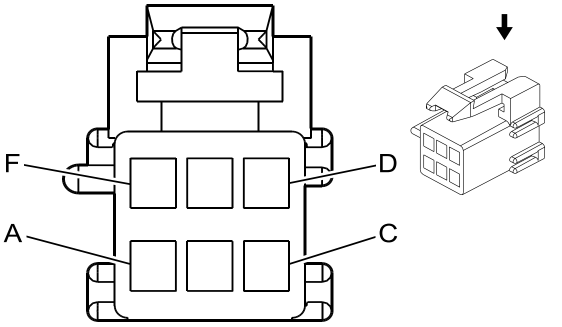
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X271 Instrument Panel Harness to Instrument Panel Harness (WX7)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BN/ BU	118	I	—	Left Front Speaker Signal (-) 1	1	0.75	BN/ BU	118	II	—
2	0.75	YE/ BK	117	I	—	Right Front Speaker Signal (-) 1	2	0.75	YE/ BK	117	II	—
3	0.5	GN/ BK	116	I	—	Left Rear Speaker Signal (-)	3	0.5	GN/ BK	116	II	—
4	0.5	BU/ BK	115	I	—	Right Rear Speaker Signal (-)	4	0.5	BU/ BK	115	II	—
5	0.75	BU	201	I	—	Left Front Speaker Control (+) 1	5	0.75	BU	201	II	—
6	0.75	YE	200	I	—	Right Front Speaker Control (+) 1	6	0.75	YE	200	II	—
7	0.5	GN	199	I	—	Left Rear Speaker Control (+)	7	0.5	GN	199	II	—
8	0.5	WH	46	I	—	Right Rear Speaker Control (+)	8	0.5	WH	46	II	—

X272 Instrument Panel Harness to Upfitter Jumper Harness (6J3)



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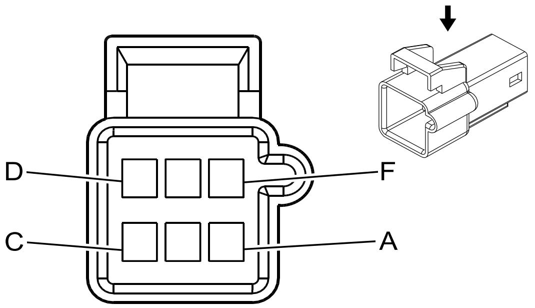


40425

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 12064762
Service Connector: 13583923
Description: 6-Way F 150 Metri-Pack Series (GY)

Connector Part Information

Harness Type: Upfitter Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M

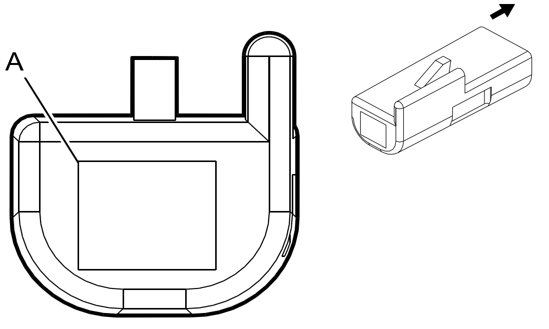
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required		No Tool Required	Not Required	Not Required	Not Required	Not Required

X272 Instrument Panel Harness to Upfitter Jumper Harness (6J3)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.75	GN	6820	I	—	Exterior Lamp Flasher Signal	A	0.75	GN	6820	II	—
B	0.75	BU/GN	6837	I	—	Siren 1 Supply	B	0.75	BU/GN	6837	II	—
C	0.75	GN/YE	6836	I	—	Siren 2 Supply	C	0.75	GN/YE	6836	II	—
D	0.75	GY/VT	6838	I	—	Front Emergency Flasher Control	D	0.75	GY/VT	6838	II	—
E	0.75	YE/GN	6835	I	—	Front Emergency Lamp Control	E	0.75	YE/GN	6835	II	—
F	—	—	—	—	—	Not Occupied	F	—	—	—	—	—

X273 Body Harness to Body Harness (5W4)



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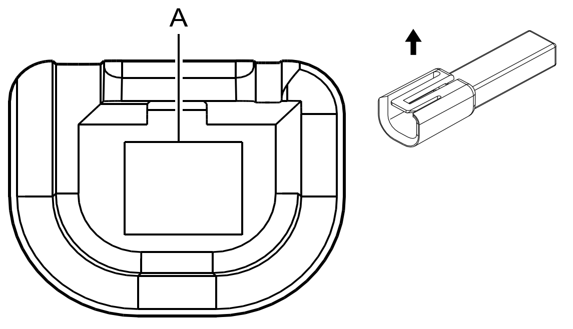


611495

Connector Part Information

Harness Type: Body
OEM Connector: 12047682
Service Connector: 12101850
Description: 1-Way F 150 Metri-Pack Series (BK)

Connector Part Information

Harness Type: Body
OEM Connector: 12047683
Service Connector: 12101828
Description: 1-Way M 150 Metri-Pack Series (BK)

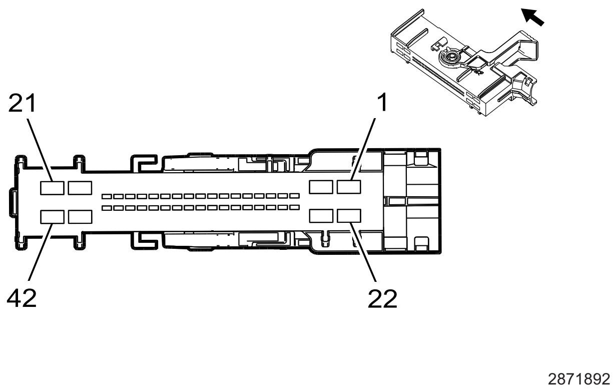
Terminal Part Information

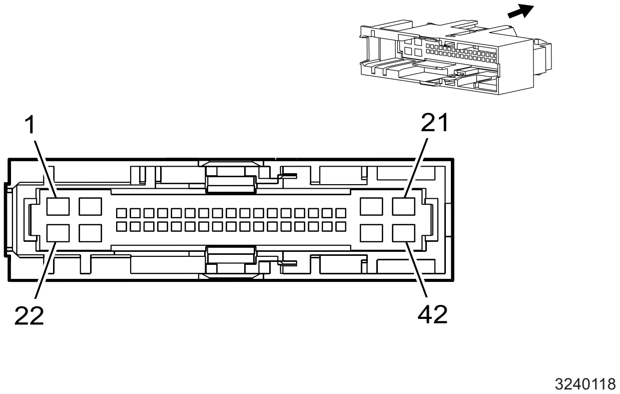
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X273 Body Harness to Body Harness (5W4)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.35	BN/ WH	28	I	—	Horn Relay Control	A	0.35	BN/ WH	28	II	—

X275 Instrument Panel Harness to Body Harness





Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 33160245
Service Connector: 19332682
Description: 42-Way F 1.2, 2.8 Series (YE)

Connector Part Information

Harness Type: Body
OEM Connector: 33155177
Service Connector: 13597184
Description: 42-Way M 0.64, 2.8 Series (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13582232	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	19300649	J-35616-16 (LT GN)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19300649	J-35616-16 (LT GN)	J-38125-553	Not Available	Not Available	Not Available	Not Available
IV	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
V	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
VI	13575823	J-35616-5 (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
VII	13575824	J-35616-5 (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
VIII	19301762	J-35616-65B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
IX	19301763	J-35616-65B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
X	19329828	J-35616-5 (PU)	J-38125-212	1326029-8	Lear 17	A	4
XI	19329828	J-35616-5 (PU)	J-38125-212	Not Available	Not Available	Not Available	Not Available
XII	19329836	J-35616-65B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

X275 Instrument Panel Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	VT/ BN	1952	V	—	Right Front Tweeter Speaker (-) Low Reference	1	0.75	VT/ BN	1952	XI	—
2	1.5	VT/ YE	143	IV	—	Accessory Ignition Voltage	2	1.5	VT/ YE	143	VII	—
3	—	—	—	—	—	Auxiliary Detection Signal	3	0.35	BU	2060	VIII	—
4	—	—	—	—	—	Auxiliary Audio Screen 2	4	0.5	Bare	5842	IX	—
5	—	—	—	—	—	Auxiliary Audio Common Signal	5	0.35	VT	5843	VIII	—
6	—	—	—	—	—	Left Auxiliary Audio Signal 2	6	0.35	GY	5839	VIII	—
7	—	—	—	—	—	Right Auxiliary Audio Signal 2	7	0.35	GN	5841	VIII	—
8	0.35	GY/ YE	6972	III	—	Camera Signal 2 +	8	0.35	GY/ YE	6972	VIII	—
9	0.35	WH/ BU	6973	III	—	Camera Signal 2	9	0.35	WH/ BU	6973	VIII	—
10	0.75	BU/ YE	1960	II	—	Front Center Speaker (-) Low Reference	10	0.75	BU/ YE	1960	IX	—
11	0.35	WH/ VT	3999	III	—	MOST Control	11	0.35	WH/ VT	3999	VIII	—
12	0.5	YE/ BK	117	III	—	Right Front Speaker Signal (-) 1	12	0.5	YE/ BK	117	IX	—
13	0.35	BK/ BU	61	III	—	Outside Ambient Temperature Sensor Low Reference	13	0.35	BK/ BU	61	VIII	—
14	0.5	WH	46	III	—	Right Rear Speaker Control (+)	14	0.5	WH	46	IX	—
15	0.35	YE/ OG	3025	I	—	Passenger IP Module Stage 1 High Control	15	0.35	YE/ OG	3025	XII	—
16	0.35	OG/ WH	3024	I	—	Passenger IP Module Stage 1 Low Control	16	0.35	OG/ WH	3024	XII	—
17	0.35	GY/ OG	3027	I	—	Passenger IP Module Stage 2 High Control	17	0.35	GY/ OG	3027	XII	—

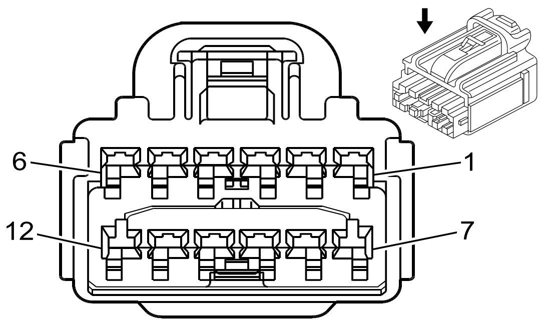
X275 Instrument Panel Harness to Body Harness (cont'd)

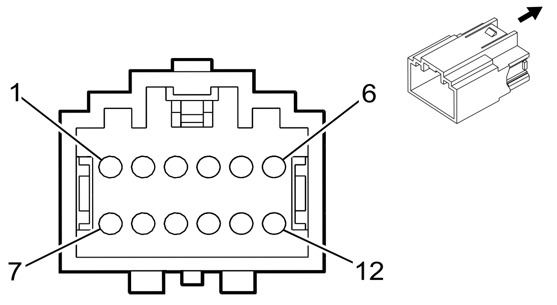
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
18	0.35	OG/ VT	3026	I	—	Passenger IP Module Stage 2 Low Control	18	0.35	OG/ VT	3026	XII	—
19	0.35	GY/ VT	755	III	—	RAP Relay Coil Control	19	0.35	GY/ VT	755	VIII	—
20	0.75	YE/ BK	117	V	—	Right Front Speaker Signal (-) 1 Right Front Speaker Signal (-) 1	20	0.5 0.75	YE/ BK YE/ BK	117 117	VI	UQ3 UQ3/UQ5
21	—	—	—	—	—	Accessory Ignition Voltage	21	1.5	VT/ YE	243	X	—
22	0.75	BN/ GN	1852	V	—	Right Front Tweeter Speaker Control (+)	22	0.75	BN/ GN	1852	XI	—
23	0.5	WH/ BU	5986	V	—	Serial Data Communication Enable	23	0.5	WH/ BU	5986	XI	—
24	0.5	WH/ YE	7557	III	—	LED Ambient Lighting Control 1	24	0.35	WH/ YE	7557	VIII	—
25	0.5	GN	5060	III	—	Low Speed GMLAN Serial Data	25	0.5	GN	5060	IX	—
26	0.35	GN/ WH	1932	III	—	Shift Select Switch Park Signal	26	0.35	GN/ WH	1932	VIII	—
27	0.35	BU	3554	III	—	Passive Start Interior Antenna 2 Signal Hi	27	0.35	BU	3554	VIII	—
28	0.35	GY/ BK	3555	III	—	Passive Start Interior Antenna 2 Signal Lo	28	0.35	GY/ BK	3555	VIII	—
29	0.35	Bare	6974	III	—	Camera Low Reference	29	0.35	Bare	6974	VIII	—
30	0.35	YE	6812	III	—	Out of Park Signal	30	0.35	YE	6812	VIII	—
31	0.75	YE/ WH	1860	II	—	Front Center Speaker Control (+)	31	0.75	YE/ WH	1860	IX	—
32	0.5	GY/ GN	1102	III	—	Low Speed GMLAN Serial Data #2	32	0.5	GY/ GN	1102	IX	—
33	0.5	YE	200	III	—	Right Front Speaker Control (+) 1	33	0.5	YE	200	IX	—
34	0.75	BU/ GN	6841	II	—	Rear Lamp Flasher Signal	34	0.75	BU/ GN	6841	IX	—
35	0.5	BU/ BK	115	III	—	Right Rear Speaker Signal (-)	35	0.5	BU/ BK	115	IX	—

X275 Instrument Panel Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
36	0.75 0.35	GN BU/OG	6820 7328	II III	6J7 C99/C9I	Exterior Lamp Flasher Signal Passenger IP Module Disable Switch Low Reference	36	0.75 0.35	GN BU/OG	6820 7328	IX VIII	6J7 C99/C9I
37	0.75 0.35	BU/GN VT/OG	6837 371	II III	6J7 C99/C9I	Siren 1 Supply Passenger IP Module Disable Switch Signal	37	0.75 0.35	BU/GN VT/OG	6837 371	IX VIII	6J7 C99/C9I
38	0.75	GN/YE	6836	II	—	Siren 2 Supply	38	0.75	GN/YE	6836	IX	—
39	0.75	GY/VT	6838	II	—	Front Emergency Flasher Control	39	0.75	GY/VT	6838	IX	—
40	0.75	YE/GN	6835	II	—	Front Emergency Lamp Control	40	0.75	YE/GN	6835	IX	—
41	0.75	YE	200	V	—	Right Front Speaker Control (+) 1 Right Front Speaker Control (+) 1	41	0.5 0.75	YE YE	200 200	VI	UQ3 UQ3/UQ5
42	0.35	BU/GY	636	V	—	Outside Ambient Air Temperature Sensor Signal	42	0.35	BU/GY	636	XI	—

X295 Instrument Panel Harness to Body Harness





Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13507762
Service Connector: 89046712
Description: 12-Way F YESC Kaizen Series (L-GY)

Connector Part Information

Harness Type: Body
OEM Connector: 13507705
Service Connector: 88988266
Description: 12-Way M 1.5 Series (L-GY)

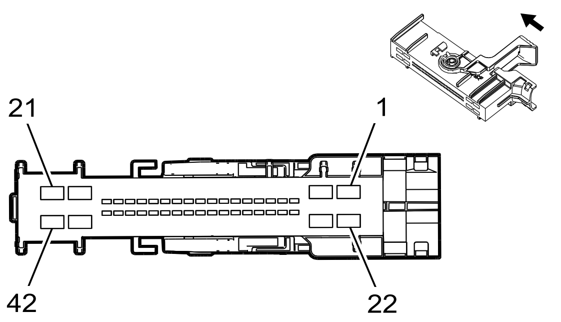
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13578891	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19119842	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

X295 Instrument Panel Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	BU/GY	3935	I	—	High Speed GMLAN Serial Data (+) 8	1	0.5	BU/GY	3935	II	—
2	0.35	WH/GY	3936	I	—	High Speed GMLAN Serial Data (-) 8	2	0.5	WH/GY	3936	II	—
3 - 7	—	—	—	—	—	Not Occupied	3 - 7	—	—	—	—	—
8	0.35	WH/VT	2092	I	—	Fuel Saver Mode (ECO) Switch Signal	8	0.35	WH/VT	2092	II	—
9 - 12	—	—	—	—	—	Not Occupied	9 - 12	—	—	—	—	—

X300 Instrument Panel Harness to Floor Console Harness



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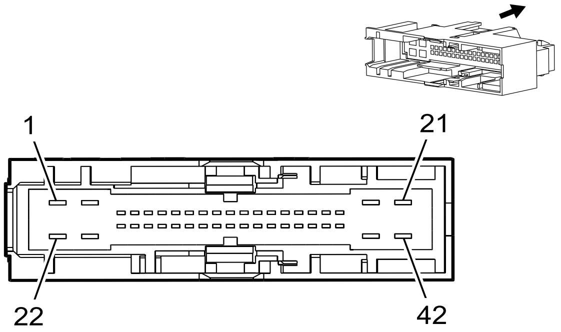


3240116

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 33160247
Service Connector: 19301820
Description: 42-Way F 1.2, 2.8 Series (GY)

Connector Part Information

Harness Type: Floor Console
OEM Connector: 33155179
Service Connector: Service by Harness - See Part Catalog
Description: 42-Way M 0.64, 2.8 Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300649	J-35616-16 (LT GN)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19300649	J-35616-16 (LT GN)	J-38125-553	Not Available	Not Available	Not Available	Not Available
III	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
V	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
VI	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X300 Instrument Panel Harness to Floor Console Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	VT/YE	243	III	—	Accessory Ignition Voltage	1	1.5	VT/YE	243	V	—
2	1.5	VT/YE	143	III	—	Accessory Ignition Voltage	2	1.5	VT/YE	143	V	—
3	0.35	BK/WH	1851	II	—	Signal Ground	3	0.35	BK/WH	1851	VI	—
4	0.35	BU	2060	II	—	Auxiliary Detection Signal	4	0.35	BU	2060	VI	—
5	0.35	BK	2550	II	—	Ground Ground	5	0.75 0.35	BK BK	2550 2550	VI VI	D07 -D07
6	0.35	WH	6816	II	—	Indicator Dimming Control	6	0.5	WH	6816	VI	—

X300 Instrument Panel Harness to Floor Console Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.35	VT/ YE	43	II	—	Accessory Ignition Voltage	7	0.35	VT/ YE	43	VI	—
8	0.35	VT/ GN	1739	II	—	Run/Crank Ignition 1 Voltage Run/Crank Ignition 1 Voltage	8	0.5 0.5	VT/ GN VT/ GN	1739 1739	V VI	— —
9	0.75	BK	1850	I	—	Ground	9	0.35	BK	1850	VI	—
10	0.35	GN/ YE	7531	II	—	Local Interconnect Network Serial Data Bus 9	10	0.35	GN/ YE	7531	VI	—
11	0.5	GN/ WH	7527	II	—	Local Interconnect Network Serial Data Bus 5	11	0.5	GN/ WH	7527	VI	—
12	0.35	BU	3554	II	—	Passive Start Interior Antenna 2 Signal Hi	12	0.35	BU	3554	VI	—
13	0.5	Bare	5842	II	—	Auxiliary Audio Screen 2	13	0.5	Bare	5842	VI	—
14	0.35	VT	5843	II	—	Auxiliary Audio Common Signal	14	0.35	VT	5843	VI	—
15	—	—	—	—	—	Not Occupied	15	—	—	—	—	—
16	0.35	GN/ WH	3355	II	—	Left Rear Seat Audio Headphone Signal	16	0.35	GN/ WH	3355	VI	—
17	0.5	Bare	3354	II	—	Rear Seat Audio Headphone Low Reference	17	0.5	Bare	3354	VI	—
18 - 19	—	—	—	—	—	Not Occupied	18 - 19	—	—	—	—	—
20	1.5	RD/ WH	1040	III	—	Battery Positive Voltage	20	1.5	RD/ WH	1040	V	—
21	0.5	VT/ BK	739	IV	—	Run/Crank Ignition 1 Voltage	21	0.5	VT/ BK	739	V	—
22	1.5	BK	1050	III	—	Ground	22	1.5	BK	1050	V	—
23	2.5	BK	1050	III	—	Ground	23	2.5	BK	1050	V	—
24	0.75	RD/ VT	340	I	—	Battery Positive Voltage	24	0.75	RD/ VT	340	VI	—
25	0.5	VT/ BN	300	II	—	Run Ignition 3 Voltage Run Ignition 3 Voltage	25	0.5 0.5	VT/ BN VT/ BN	300 300	V VI	— —

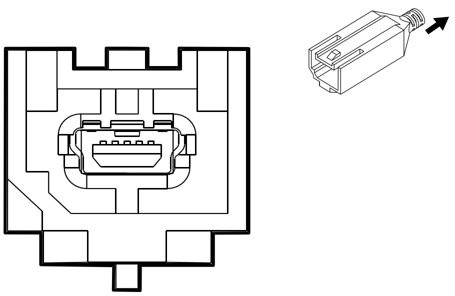
X300 Instrument Panel Harness to Floor Console Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
26	0.35	BU/ BN	6807	II	—	DC To AC Inverter Control	26	0.35	BU/ BN	6807	VI	—
27	0.35	RD/ GY	2840	II	—	Battery Positive Voltage	27	0.35	RD/ GY	2840	VI	—
28	0.5	WH/ BN	6815	II	—	Inadvertent Power Control	28	0.5	WH/ BN	6815	VI	—
29	0.35	GN	4512	II	—	Wireless Charging System Charge Indicator Control	29	0.35	GN	4512	VI	—
30	0.35	GN/ GY	3277	II	—	Vehicle Anti-Theft System Immobilizer Low Reference	30	0.35	GN/ GY	3277	VI	—
31	0.35	GN/ VT	7533	II	—	Local Interconnect Network Serial Data Bus 11	31	0.35	GN/ VT	7533	VI	—
32	0.35	GY/ BK	3276	II	—	Vehicle Anti-Theft System Immobilizer Control	32	0.35	GY/ BK	3276	VI	—
33	0.35	GY/ BK	3555	II	—	Passive Start Interior Antenna 2 Signal Lo	33	0.35	GY/ BK	3555	VI	—
34	0.35	GN	5841	II	—	Right Auxiliary Audio Signal 2	34	0.35	GN	5841	VI	—
35	0.35	GY	5839	II	—	Left Auxiliary Audio Signal 2	35	0.35	GY	5839	VI	—
36	—	—	—	—	—	Not Occupied	36	—	—	—	—	—
37	0.35	BN/ GY	3357	II	—	Right Rear Seat Audio Headphone Signal	37	0.35	BN/ GY	3357	VI	—
38	0.35	BU/ VT	3356	II	—	Rear Seat Audio Headphone Common Signal	38	0.35	BU/ VT	3356	VI	—
39 - 40	—	—	—	—	—	Not Occupied	39 - 40	—	—	—	—	—
41	0.35	YE	6817	IV	—	LED Backlight Dimming Control	41	0.5	YE	6817	V	—

X300 Instrument Panel Harness to Floor Console Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
42	0.75	RD/ VT	340	IV	—	Battery Positive Voltage Battery Positive Voltage	42	0.75	RD/ VT	340	V	—

X301 Floor Console Harness to Instrument Panel Harness (U42)



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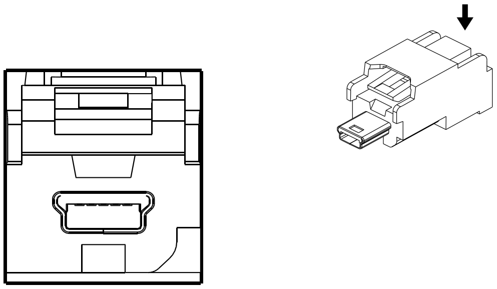


3028808

Connector Part Information

Harness Type: Floor Console LVDS

OEM Connector: 13584760

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 5-Way F 2.0 Mini-B USB Type (BK)

Connector Part Information

Harness Type: Instrument Panel LVDS

OEM Connector: 13584750

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 5-Way M 2.0 Mini-B USB Type (BK)

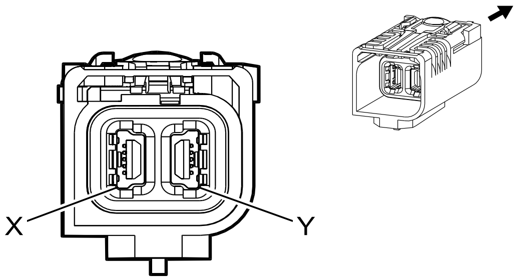
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X301 Floor Console Harness to Instrument Panel Harness (U42)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	LVDS	—	I	—	(Infotainment) Infotainment Display Signal	—	—	LVDS	—	I	—

X302 Floor Console Harness to Instrument Panel Harness (U42)



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4007739

Connector Part Information

Harness Type: Floor Console USB

OEM Connector: 13586249

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 10-Way F 2.0 Mini-B USB Type

Connector Part Information

Harness Type: Instrument Panel USB

OEM Connector: Not Available

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 10-Way M

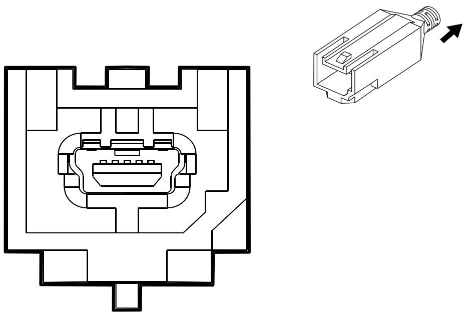
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X302 Floor Console Harness to Instrument Panel Harness (U42)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	USB	—	I	—	USB Serial Data	—	—	USB	—	I	—

X302 Floor Console Harness to Instrument Panel Harness (-U42)



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3214016

Connector Part Information

Harness Type: Floor Console USB
OEM Connector: 13699760
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way F 2.0 Mini-B USB Type (GY)

Connector Part Information

Harness Type: Instrument Panel USB
OEM Connector: Not Available
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M

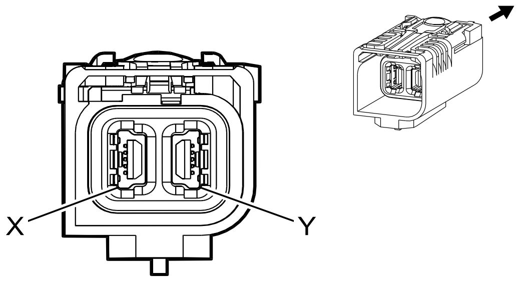
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X302 Floor Console Harness to Instrument Panel Harness (-U42)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	USB	—	I	—	USB Serial Data	—	—	USB	—	I	—

X303 Instrument Panel Harness to Floor Console Extension Harness



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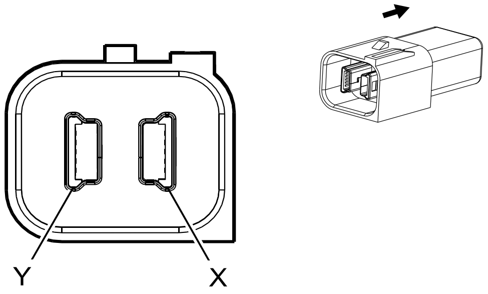


4007740

Connector Part Information

Harness Type: Instrument Panel USB

OEM Connector: 13586195

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 10-Way F 2.0 Mini-B USB Type (BK)

Connector Part Information

Harness Type: Floor Console Extension USB

OEM Connector: 13586193

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 10-Way M 2.0 Mini-B USB Type (BK)

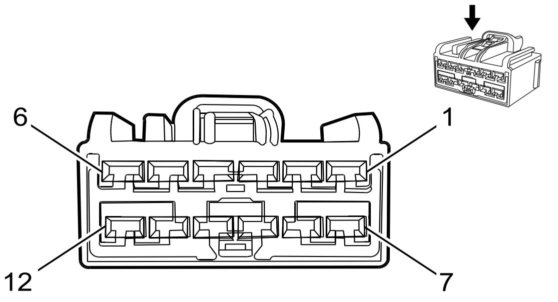
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X303 Instrument Panel Harness to Floor Console Extension Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	USB	—	I	—	USB Serial Data	—	—	USB	—	I	—

X305 Instrument Panel Harness to Instrument Panel Extension Harness



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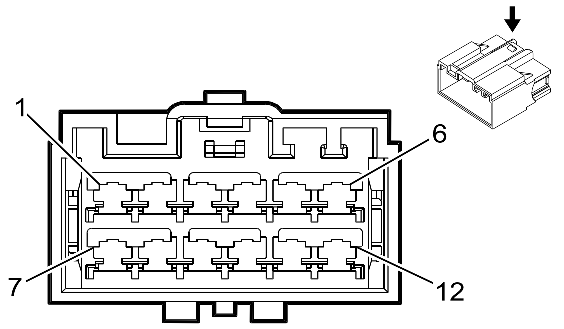


3277914

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 10846814
Service Connector: 13580444
Description: 12-Way F 2.8 Kaizen Series (L-GY)

Connector Part Information

Harness Type: Instrument Panel Extension
OEM Connector: 10846810
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way M (L-GY)

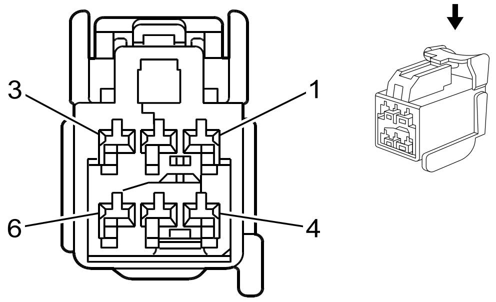
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575838	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19301752	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301761	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X305 Instrument Panel Harness to Instrument Panel Extension Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.75	BK	5683	III	—	120 V AC Phase A	2	1.5	BK	5683	IV	—
3 - 5	—	—	—	—	—	Not Occupied	3 - 5	—	—	—	—	—
6	2.5	RD/ GY	4140	II	—	Battery Positive Voltage	6	2.5	RD/ GY	4140	IV	—
7	0.75	RD	5684	III	—	120 V AC Phase B	7	1.5	RD	5684	IV	—
8 - 9	—	—	—	—	—	Not Occupied	8 - 9	—	—	—	—	—
10	0.5	Bare	514	I	—	Low Reference	10	0.35	Bare	514	IV	—
11	2.5	BK	1050	II	—	Ground	11	2.5	BK	1050	IV	—
12	0.35	BU/ BN	6807	III	—	DC To AC Inverter Control	12	0.35	BU/ BN	6807	IV	—

X306 Instrument Panel Harness to Floor Console Harness (KI4/KI5)



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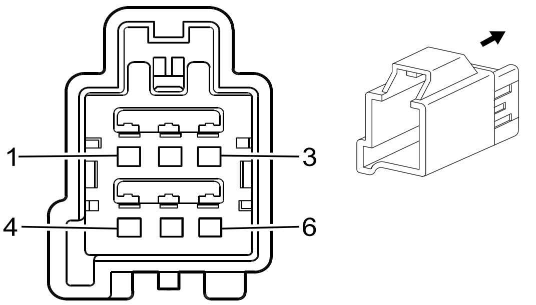


1283896

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 10846805
Service Connector: 89046849
Description: 6-Way F 1.5 Kaizen Series (L-GY)

Connector Part Information

Harness Type: Floor Console
OEM Connector: 10846804
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M 1.5 Series (L-GY)

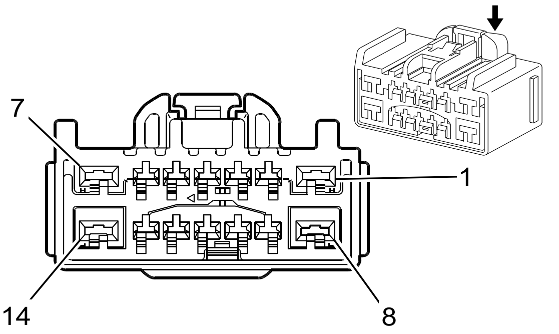
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X306 Instrument Panel Harness to Floor Console Harness (KI4/KI5)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BK	5683	I	—	120 V AC Phase A 120 V AC Phase A	1	0.75	BK	5683	II	—
2	0.75	RD	5684	I	—	120 V AC Phase B 120 V AC Phase B	2	0.75	RD	5684	II	—
3	0.5	Bare	514	I	—	Low Reference Low Reference	3	0.5	BK/ WH	514	II	—
4 - 6	—	—	—	—	—	Not Occupied	4 - 6	—	—	—	—	—

X307 Floor Console Harness to Floor Console Extension Harness



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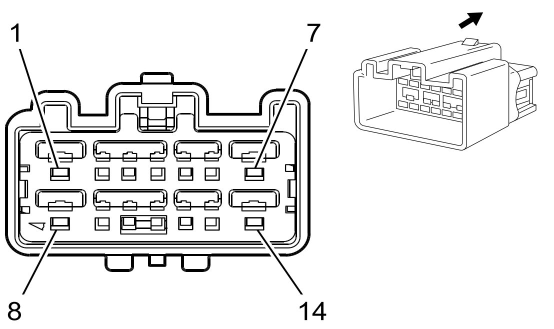


2375001

Connector Part Information

Harness Type: Floor Console
OEM Connector: 15452737
Service Connector: Service by Harness - See Part Catalog
Description: 14-Way F 1.5, 2.8 Series (BK)

Connector Part Information

Harness Type: Floor Console Extension
OEM Connector: 15452738
Service Connector: Service by Harness - See Part Catalog
Description: 14-Way M 1.5, 2.8 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
IV	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

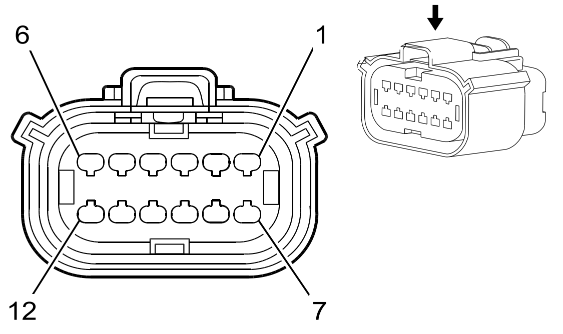
X307 Floor Console Harness to Floor Console Extension Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	RD/ WH	1040	II	—	Battery Positive Voltage	1	1.5	RD/ WH	1040	IV	—
2	0.35	RD/ GY	2840	I	—	Battery Positive Voltage	2	0.35	RD/ GY	2840	III	—
3	0.5	GN/ WH	7527	I	—	Local Interconnect Network Serial Data Bus 5	3	0.35	GN/ WH	7527	III	—
4	0.35	BU	2060	I	—	Auxiliary Detection Signal	4	0.35	BU	2060	III	—
5	—	—	—	—	—	LED Backlight Dimming Control	5	0.5	YE	6817	III	—
6	—	—	—	—	—	Not Occupied	6	—	—	—	—	—

X307 Floor Console Harness to Floor Console Extension Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.75	RD/VT	340	II	—	Battery Positive Voltage	7	0.75	RD/VT	340	IV	—
8	1.5	BK	1050	II	—	Ground	8	1.5	BK	1050	IV	—
9	0.35	BK	1850	I	—	Ground	9	0.35	BK	1850	III	—
10	0.35	GN	5841	I	—	Ground Right Auxiliary Audio Signal 2	10	0.5 0.35	BK GN	1050 5841	III III	-Z75 AZ3
11	0.35	GY	5839	I	—	Indicator Dimming Control Left Auxiliary Audio Signal 2	11	0.5 0.35	WH GY	6816 5839	III III	-Z75 AZ3
12	0.35	VT	5843	I	—	Power Rear Compartment Lid On/Off Control Auxiliary Audio Common Signal	12	0.35 0.35	BN VT	6532 5843	III III	-Z75 AZ3
13	0.5	Bare	5842	I	—	Rear Steering Axle Control Motor Control Phase B Auxiliary Audio Screen 2	13	0.35 0.5	GY/BK Bare	2546 5842	III III	-Z75 AZ3
14	0.35	BK	2550	II	—	Ground	14	0.35	BK	2550	IV	—

X308 Body Harness to Left Rear Seat Harness (X88/Z88)



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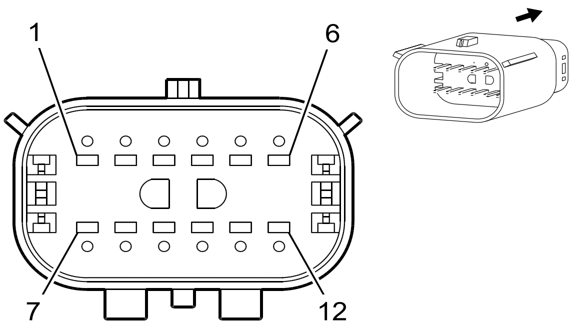


1825167

Connector Part Information

Harness Type: Body
OEM Connector: 13653762
Service Connector: 13503528
Description: 12-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Left Rear Seat
OEM Connector: 33482-1201
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way M 150 MX Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

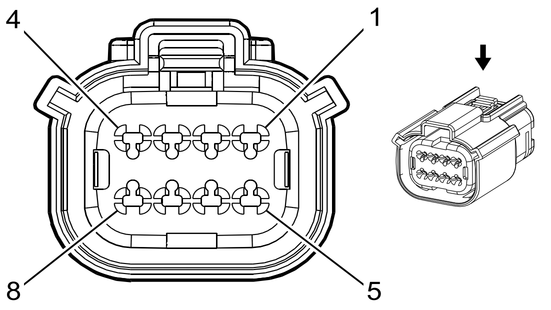
X308 Body Harness to Left Rear Seat Harness (X88/Z88)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	RD/GN	5140	I	—	Battery Positive Voltage	1	0.75	RD/GN	5140	II	—
2	0.75	RD/GN	6140	I	—	Battery Positive Voltage	2	0.75	RD/GN	6140	II	—
3	0.75	GN/BN	2296	I	—	Right Rear Heated Seat Cushion Element Control	3	0.75	GN/BN	2296	II	—
4	0.5	GN/BU	6133	I	—	Local Interconnect Network Serial Data Bus 2	4	0.35	GN/BU	6133	II	—
5	0.75	RD/BU	1240	I	—	Battery Positive Voltage	5	0.75	RD/BU	1240	II	—
6	0.5	GN	6808	I	—	Left Rear Seat Fold Tumble Control	6	0.5	GN	6808	II	—

X308 Body Harness to Left Rear Seat Harness (X88/Z88) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.75	GN/ BK	2297	I	—	Right Rear Heated Seat Cushion Element Low Reference	7	0.75	GN/ BK	2297	II	—
8	0.75	BK	1150	I	—	Ground	8	0.75	BK	1150	II	—
9	0.5	BU/ GN	2300	I	—	Right Rear Heated Seat Sensor Signal	9	0.5	BU/ GN	2300	II	—
10	0.5	BK/ GY	2301	I	—	Right Rear Heated Seat Sensor Low Reference	10	0.5	BK/ GY	2301	II	—
11 - 12	—	—	—	—	—	Not Occupied	11 - 12	—	—	—	—	—

X308 Body Harness to Left Rear Seat Harness (Z75)



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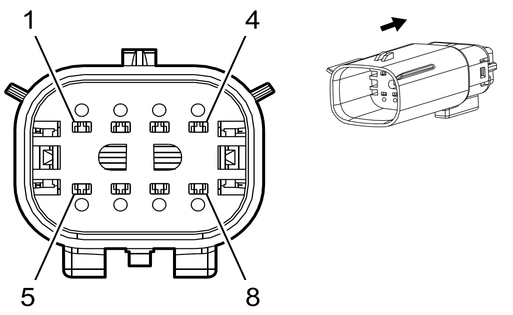


2667653

Connector Part Information

Harness Type: Body
OEM Connector: 13654393
Service Connector: 13577527
Description: 8-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Left Rear Seat
OEM Connector: 33482-0801
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way M 150 MX Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

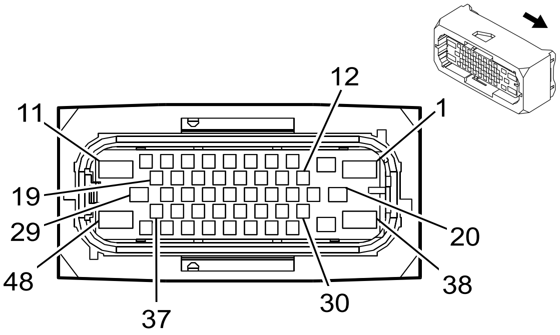
X308 Body Harness to Left Rear Seat Harness (Z75)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	RD/ GN	5140	I	—	Battery Positive Voltage	1	0.75	RD/ GN	5140	II	—
2	0.75	RD/ GN	6140	I	—	Battery Positive Voltage	2	0.75	RD/ GN	6140	II	—
3	0.75	GN/ BN	2296	I	—	Right Rear Heated Seat Cushion Element Control	3	0.75	GN/ BN	2296	II	—
4	0.5	GN/ BU	6133	I	—	Local Inter-connect Network Serial Data Bus 2	4	0.35	GN/ BU	6133	II	—
5	0.75	RD/ BU	1240	I	—	Battery Positive Voltage	5	0.75	RD/ BU	1240	II	—
6	0.5	GN	6808	I	—	Left Rear Seat Fold Tumble Control	6	0.5	GN	6808	II	—
7	—	—	—	—	—	Not Occupied	7	—	—	—	—	—

X308 Body Harness to Left Rear Seat Harness (Z75) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.75	BK	1150	I	—	Ground	8	0.75	BK	1150	II	—

X310 Driver Seat Cushion Harness to Body Harness (KB6)



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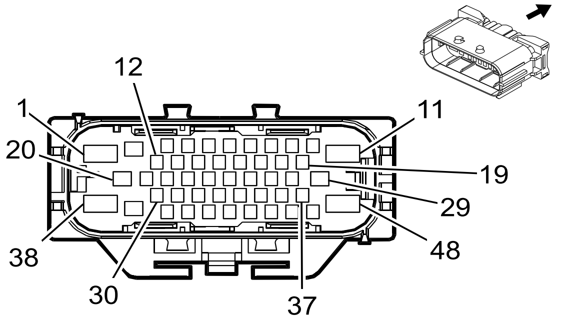


3240126

Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 15509590

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (YE)

Connector Part Information

Harness Type: Body

OEM Connector: 15513436

Service Connector: 19301796

Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-40 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
IV	13505807	J-35616-19 (BK)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VII	19329756	J-35616-32 (OR)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VIII	19331731	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IX	19352419	J-35616-19 (BK)	J-38125-560	Not Available	Not Available	Not Available	Not Available
X	19353142	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X310 Driver Seat Cushion Harness to Body Harness (KB6)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	2.5	RD/YE	5040	III	—	Battery Positive Voltage	2	2.5	RD/YE	5040	VI	—

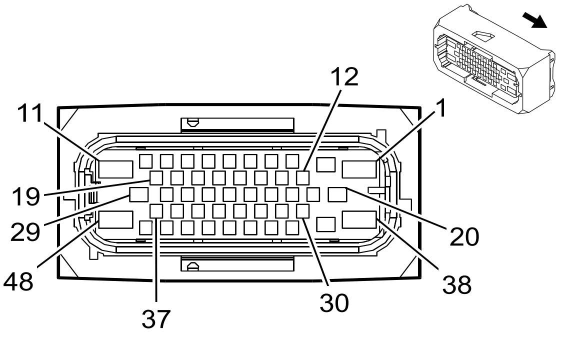
X310 Driver Seat Cushion Harness to Body Harness (KB6) (cont'd)

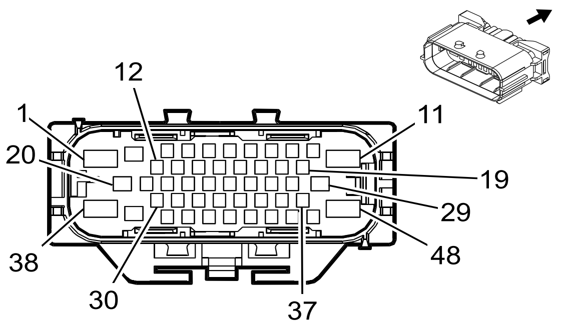
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
3	1.5	YE	5129	I	—	Adjustable Pedal Actuator Rearward Control	3	1.5	YE	5129	VIII	—
4	1.5	GN/ VT	5130	I	—	Adjustable Pedal Actuator Forward Control	4	1.5	GN/ VT	5130	VIII	—
5	0.35	OG/ GN	5055	I	—	Driver Seat Position Switch Signal	5	0.35	OG/ GN	5055	IX	—
6	0.35	OG/ BN	238	I	—	Driver Seat Belt Switch Signal	6	0.35	OG/ BN	238	IX	—
7	0.35	BK/ OG	1363	I	—	Driver Seat Belt Switch Low Reference	7	0.35	BK/ OG	1363	IX	—
8	0.5	RD/ BN	2240	I	—	Battery Positive Voltage	8	0.5	RD/ BN	2240	IV	—
9	0.35	GN/ GY	5286	I	—	Adjustable Pedal Switch Forward Signal	9	0.35	GN/ GY	5286	IX	—
10	0.35	WH/ GY	5285	I	—	Adjustable Pedal Switch Rearward Signal	10	0.35	WH/ GY	5285	IX	—
11	4 2.5	BK BK	1150 1150	II II	AG1+A45/ KA1/KB6 AS8	Ground Ground	11	4 4	BK BK	1150 1150	VII IX	— —
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—
13	0.5	WH/ RD	6207	I	—	Memory Sensor High Reference	13	0.35	WH/ RD	6207	IX	—
14	0.35	BU	5952	I	—	Adjustable Pedal Position Sensor Brake Signal	14	0.35	BU	5952	IX	—
15	0.5	BK/ GY	6206	I	—	Memory Sensor Low Reference	15	0.35	BK/ GY	6206	IX	—
16	—	—	—	—	—	Not Occupied	16	—	—	—	—	—
17	0.5	GN/ WH	7530	I	—	Local Interconnect Network Serial Data Bus 8	17	0.5	GN/ WH	7530	IV	—
18	—	—	—	—	—	Not Occupied	18	—	—	—	—	—
19	0.35	GN/ VT	5906	I	—	Driver Seat Vent Motor Control 1	19	0.35	GN/ VT	5906	IX	—

X310 Driver Seat Cushion Harness to Body Harness (KB6) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
20 - 22	—	—	—	—	—	Not Occupied	20 - 22	—	—	—	—	—
23	0.75	RD/ BN	1140	I	—	Battery Positive Voltage	23	0.5	RD/ BN	1140	IV	—
24	0.5	GN/ OG	3069	I	—	Driver Side Impact Module Low Control	24	0.35	GN/ OG	3069	X	—
25	0.5	YE/ OG	3482	I	—	Driver Seat Belt Anchor Pretensioner Low Control	25	0.35	YE/ OG	3482	X	—
26	0.5	GN	5060	I	—	Low Speed GMLAN Serial Data	26	0.5	GN	5060	IV	—
27 - 32	—	—	—	—	—	Not Occupied	27 - 32	—	—	—	—	—
33	0.5	OG/ BU	3068	I	—	Driver Side Impact Module High Control	33	0.35	OG/ BU	3068	X	—
34	0.5	OG/ YE	3481	I	—	Driver Seat Belt Anchor Pretensioner High Control	34	0.35	OG/ YE	3481	X	—
35	0.35	GN/ BU	614	I	—	Memory Seat Switch Set Signal	35	0.35	BU/ GN	614	IX	—
36 - 39	—	—	—	—	—	Not Occupied	36 - 39	—	—	—	—	—
40	0.35	BK/ BU	5978	I	—	Memory Switch Low Reference	40	0.35	BK/ BU	5978	IX	—
41	0.35	WH	615	I	—	Memory Seat Switch Signal 1	41	0.35	WH	615	IX	—
42	—	—	—	—	—	Not Occupied	42	—	—	—	—	—
43	0.5	VT	4106	I	—	Center Side Impact Module Low Control	43	0.35	VT	4106	X	—
44	0.5	BN/ WH	4107	I	—	Center Side Impact Module High Control	44	0.35	BN/ WH	4107	X	—
45	—	—	—	—	—	Not Occupied	45	—	—	—	—	—
46	0.35	GY	157	I	—	Interior Lamp Control	46	0.35	WH/ YE	7557	IX	—
47	0.75	RD/ GN	5140	I	—	Battery Positive Voltage	47	0.75	RD/ GN	5140	V	—
48	—	—	—	—	—	Not Occupied	48	—	—	—	—	—

X310 Driver Seat Cushion Harness to Body Harness (-KB6/KQV)





Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 15509611

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (YE)

Connector Part Information

Harness Type: Body

OEM Connector: 15513436

Service Connector: 19301796

Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	13505807	J-35616-19 (BK)	J-38125-560	Not Available	Not Available	Not Available	Not Available
III	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	19329756	J-35616-32 (OR)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	19331731	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VII	19352419	J-35616-19 (BK)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VIII	19353142	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X310 Driver Seat Cushion Harness to Body Harness (-KB6/KQV)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	—	—	—	—	—	Battery Positive Voltage	2	2.5	RD/YE	5040	IV	—
3	—	—	—	—	—	Adjustable Pedal Actuator Rearward Control	3	1.5	YE	5129	VI	—

X310 Driver Seat Cushion Harness to Body Harness (-KB6/KQV) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
4	—	—	—	—	—	Adjustable Pedal Actuator Forward Control	4	1.5	GN/VT	5130	VI	—
5	0.35	OG/GN	5055	I	—	Driver Seat Position Switch Signal	5	0.35	OG/GN	5055	VII	—
6	0.35	OG/BN	238	I	—	Driver Seat Belt Switch Signal	6	0.35	OG/BN	238	VII	—
7	0.35	BK/OG	1363	I	—	Driver Seat Belt Switch Low Reference	7	0.35	BK/OG	1363	VII	—
8	—	—	—	—	—	Battery Positive Voltage	8	0.5	RD/BN	2240	II	—
9	—	—	—	—	—	Adjustable Pedal Switch Forward Signal	9	0.35	GN/GY	5286	VII	—
10	—	—	—	—	—	Adjustable Pedal Switch Rearward Signal	10	0.35	WH/GY	5285	VII	—
11	—	—	—	—	—	Ground	11	4	BK	1150	V	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—
13	—	—	—	—	—	Memory Sensor High Reference	13	0.35	WH/RD	6207	VII	—
14	—	—	—	—	—	Adjustable Pedal Position Sensor Brake Signal	14	0.35	BU	5952	VII	—
15	—	—	—	—	—	Memory Sensor Low Reference	15	0.35	BK/GY	6206	VII	—
16	—	—	—	—	—	Not Occupied	16	—	—	—	—	—
17	—	—	—	—	—	Local Interconnect Network Serial Data Bus 8	17	0.5	GN/WH	7530	II	—
18	—	—	—	—	—	Not Occupied	18	—	—	—	—	—
19	—	—	—	—	—	Driver Seat Vent Motor Control 1	19	0.35	GN/VT	5906	VII	—
20 - 21	—	—	—	—	—	Not Occupied	20 - 21	—	—	—	—	—
22	—	—	—	—	—	Driver Heated Seat Element Low Reference	22	0.75	BN/BK	2078	III	—

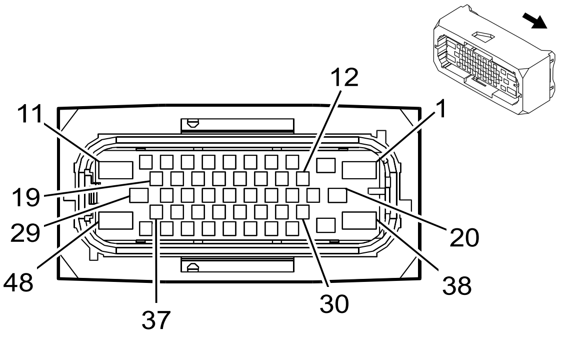
X310 Driver Seat Cushion Harness to Body Harness (-KB6/KQV) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
23	—	—	—	—	—	Battery Positive Voltage	23	0.5	RD/ BN	1140	II	—
24	0.5	GN/ OG	3069	I	—	Driver Side Impact Module Low Control	24	0.35	GN/ OG	3069	VIII	—
25	0.5	YE/ OG	3482	I	—	Driver Seat Belt Anchor Pretensioner Low Control	25	0.35	YE/ OG	3482	VIII	—
26	—	—	—	—	—	Low Speed GMLAN Serial Data	26	0.5	GN	5060	II	—
27	—	—	—	—	—	Not Occupied	27	—	—	—	—	—
28	—	—	—	—	—	Driver Heated Seat NTC Low Reference	28	0.5	BK/ YE	2080	II	—
29	—	—	—	—	—	Not Occupied	29	—	—	—	—	—
30	—	—	—	—	—	Driver Heated Back NTC Signal	30	0.5	BU	2425	II	—
31	—	—	—	—	—	Not Occupied	31	—	—	—	—	—
32	—	—	—	—	—	Driver Heated Seat NTC Signal	32	0.5	YE/ GY	2079	II	—
33	0.5	OG/ BU	3068	I	—	Driver Side Impact Module High Control	33	0.35	OG/ BU	3068	VIII	—
34	0.5	OG/ YE	3481	I	—	Driver Seat Belt Anchor Pretensioner High Control	34	0.35	OG/ YE	3481	VIII	—
35	—	—	—	—	—	Memory Seat Switch Set Signal	35	0.35	BU/ GN	614	VII	—
36	—	—	—	—	—	Driver Heated Back Element Control	36	0.75	BN	2432	III	—
37	—	—	—	—	—	Driver Heated Seat Element Control	37	0.75	BN/ VT	2077	III	—
38 - 39	—	—	—	—	—	Not Occupied	38 - 39	—	—	—	—	—
40	—	—	—	—	—	Memory Switch Low Reference	40	0.35	BK/ BU	5978	VII	—
41	—	—	—	—	—	Memory Seat Switch Signal 1	41	0.35	WH	615	VII	—
42	—	—	—	—	—	Not Occupied	42	—	—	—	—	—

X310 Driver Seat Cushion Harness to Body Harness (-KB6/KQV) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
43	—	—	—	—	—	Center Side Impact Module Low Control	43	0.35	VT	4106	VIII	—
44	—	—	—	—	—	Center Side Impact Module High Control	44	0.35	BN/WH	4107	VIII	—
45	—	—	—	—	—	Not Occupied	45	—	—	—	—	—
46	—	—	—	—	—	LED Ambient Lighting Control 1	46	0.35	WH/YE	7557	VII	—
47	—	—	—	—	—	Battery Positive Voltage	47	0.75	RD/GN	5140	III	—
48	—	—	—	—	—	Not Occupied	48	—	—	—	—	—

X310 Driver Seat Cushion Harness to Body Harness (KQV)



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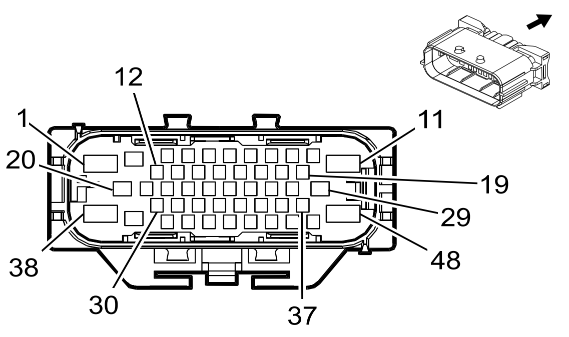


3240126

Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 15509588

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (YE)

Connector Part Information

Harness Type: Body

OEM Connector: 15513436

Service Connector: 19301796

Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-40 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
IV	13505807	J-35616-19 (BK)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VII	19329756	J-35616-32 (OR)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VIII	19331731	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IX	19352419	J-35616-19 (BK)	J-38125-560	Not Available	Not Available	Not Available	Not Available
X	19353142	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X310 Driver Seat Cushion Harness to Body Harness (KQV)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	2.5	RD/YE	5040	III	—	Battery Positive Voltage	2	2.5	RD/YE	5040	VI	—

X310 Driver Seat Cushion Harness to Body Harness (KQV) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
3	1.5	YE	5129	I	—	Adjustable Pedal Actuator Rearward Control	3	1.5	YE	5129	VIII	—
4	1.5	GN/VT	5130	I	—	Adjustable Pedal Actuator Forward Control	4	1.5	GN/VT	5130	VIII	—
5	0.35	OG/GN	5055	I	—	Driver Seat Position Switch Signal	5	0.35	OG/GN	5055	IX	—
6	0.35	OG/BN	238	I	—	Driver Seat Belt Switch Signal	6	0.35	OG/BN	238	IX	—
7	0.35	BK/OG	1363	I	—	Driver Seat Belt Switch Low Reference	7	0.35	BK/OG	1363	IX	—
8	—	—	—	—	—	Battery Positive Voltage	8	0.5	RD/BN	2240	IV	—
9	0.35	GN/GY	5286	I	—	Adjustable Pedal Switch Forward Signal	9	0.35	GN/GY	5286	IX	—
10	0.35	WH/GY	5285	I	—	Adjustable Pedal Switch Rearward Signal	10	0.35	WH/GY	5285	IX	—
11	4	BK	1150	II	—	Ground	11	4	BK	1150	VII	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—
13	0.5	WH/RD	6207	I	—	Memory Sensor High Reference	13	0.35	WH/RD	6207	IX	—
14	0.35	BU	5952	I	—	Adjustable Pedal Position Sensor Brake Signal	14	0.35	BU	5952	IX	—
15	0.5	BK/GY	6206	I	—	Memory Sensor Low Reference	15	0.35	BK/GY	6206	IX	—
16	—	—	—	—	—	Not Occupied	16	—	—	—	—	—
17	0.5	GN/WH	7530	I	—	Local Interconnect Network Serial Data Bus 8	17	0.5	GN/WH	7530	IV	—
18	—	—	—	—	—	Not Occupied	18	—	—	—	—	—
19	0.35	GN/VT	5906	I	—	Driver Seat Vent Motor Control 1	19	0.35	GN/VT	5906	IX	—

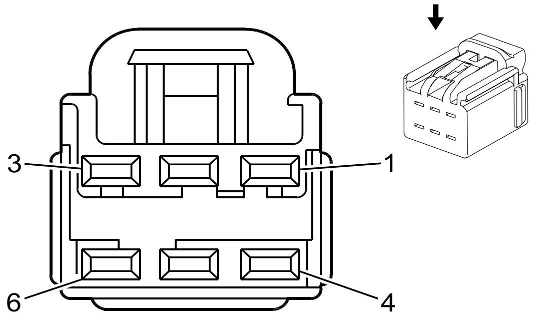
X310 Driver Seat Cushion Harness to Body Harness (KQV) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
20 - 21	—	—	—	—	—	Not Occupied	20 - 21	—	—	—	—	—
22	0.75	BN/ BK	2078	I	—	Driver Heated Seat Element Low Reference	22	0.75	BN/ BK	2078	V	—
23	0.75	RD/ BN	1140	I	—	Battery Positive Voltage	23	0.5	RD/ BN	1140	IV	—
24	0.5	GN/ OG	3069	I	—	Driver Side Impact Module Low Control	24	0.35	GN/ OG	3069	X	—
25	0.5	YE/ OG	3482	I	—	Driver Seat Belt Anchor Pretensioner Low Control	25	0.35	YE/ OG	3482	X	—
26	0.5	GN	5060	I	—	Low Speed GMLAN Serial Data	26	0.5	GN	5060	IV	—
27	—	—	—	—	—	Not Occupied	27	—	—	—	—	—
28	0.5	BN/ YE	2080	I	—	Driver Heated Seat NTC Low Reference	28	0.5	BK/ YE	2080	IV	—
29	—	—	—	—	—	Not Occupied	29	—	—	—	—	—
30	0.5	BU	2425	I	—	Driver Heated Back NTC Signal	30	0.5	BU	2425	IV	—
31	—	—	—	—	—	Not Occupied	31	—	—	—	—	—
32	0.5	YE/ GY	2079	I	—	Driver Heated Seat NTC Signal	32	0.5	YE/ GY	2079	IV	—
33	0.5	OG/ BU	3068	I	—	Driver Side Impact Module High Control	33	0.35	OG/ BU	3068	X	—
34	0.5	OG/ YE	3481	I	—	Driver Seat Belt Anchor Pretensioner High Control	34	0.35	OG/ YE	3481	X	—
35	0.35	GN/ BU	614	I	—	Memory Seat Switch Set Signal	35	0.35	BU/ GN	614	IX	—
36	0.75	BN	2432	I	—	Driver Heated Back Element Control	36	0.75	BN	2432	V	—
37	0.75	BN/ VT	2077	I	—	Driver Heated Seat Element Control	37	0.75	BN/ VT	2077	V	—
38 - 39	—	—	—	—	—	Not Occupied	38 - 39	—	—	—	—	—

X310 Driver Seat Cushion Harness to Body Harness (KQV) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
40	0.35	BK/ BU	5978	I	—	Memory Switch Low Reference	40	0.35	BK/ BU	5978	IX	—
41	0.35	WH	615	I	—	Memory Seat Switch Signal 1	41	0.35	WH	615	IX	—
42	—	—	—	—	—	Not Occupied	42	—	—	—	—	—
43	0.5	VT	4106	I	—	Center Side Impact Module Low Control	43	0.35	VT	4106	X	—
44	0.5	BN/ WH	4107	I	—	Center Side Impact Module High Control	44	0.35	BN/ WH	4107	X	—
45	—	—	—	—	—	Not Occupied	45	—	—	—	—	—
46	0.35	GY	157	I	—	Interior Lamp Control	46	0.35	WH/ YE	7557	IX	—
47	0.75	RD/ GN	5140	I	—	Battery Positive Voltage	47	0.75	RD/ GN	5140	V	—
48	—	—	—	—	—	Not Occupied	48	—	—	—	—	—

X311 Driver Seat Back Harness to Driver Seat Cushion Harness



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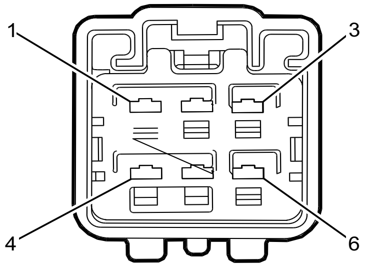


1849802

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 7283-6466-40
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F YESC Kaizen Series (L-GY)

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7282-6466-40
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M YESC Kaizen Series (L-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

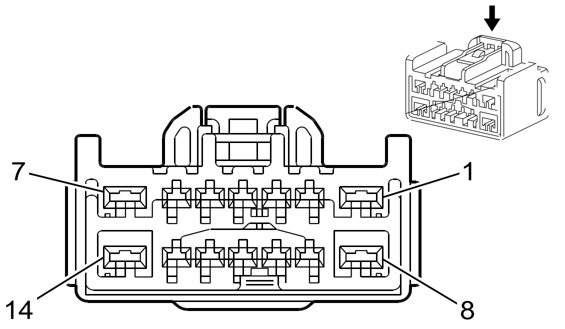
X311 Driver Seat Back Harness to Driver Seat Cushion Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35 0.75	WH/BK YE/BU	570 767	I I	A45 AL2	Driver Memory Seat Recline Motor Position Sensor Signal Driver Power Seat Lumbar Motor Down Control	1	1.5	YE/BU	767	II	—
2	0.35 0.75	WH/RD YE/BN	3298 768	I I	A45 AL2	Memory Sensor High Reference 2 Driver Power Seat Lumbar Motor Up Control	2	1.5	YE/BN	768	II	—

X311 Driver Seat Back Harness to Driver Seat Cushion Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
3	1.5 0.75	BU BU	611 611	I I	A45 AL2	Driver Power Seat Lumbar Motor Forward Control Driver Power Seat Lumbar Motor Forward Control	3	1.5	BU	611	II	—
4	1.5 0.75	VT VT	610 610	I I	A45 AL2	Driver Power Seat Lumbar Motor Rearward Control Driver Power Seat Lumbar Motor Rearward Control	4	1.5	VT	610	II	—
5	1.5	GN/YE	276	I	—	Driver Power Seat Recline Motor Forward Control	5	1.5	GN/YE	276	II	—
6	1.5	BU/YE	277	I	—	Driver Power Seat Recline Motor Rearward Control	6	1.5	BU/YE	277	II	—

X312 Driver Seat Back Harness to Driver Seat Cushion Harness (KB6+ULT)



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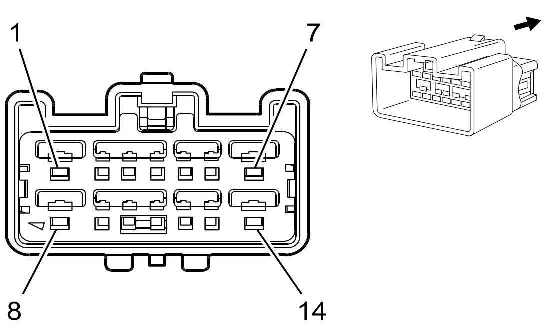


1283905

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 7283-6447-70
Service Connector: Service by Harness - See Part Catalog
Description: 14-Way F 1.5, 2.8 Series (YE)

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7282-6447-70
Service Connector: Service by Harness - See Part Catalog
Description: 14-Way M 1.5, 2.8 Series (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
IV	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

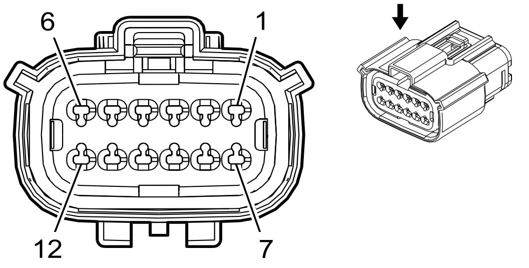
X312 Driver Seat Back Harness to Driver Seat Cushion Harness (KB6+ULT)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	GN/YE	276	II	—	Driver Power Seat Recline Motor Forward Control	1	1.5	GN/YE	276	IV	—
2	0.5	OG/BU	3068	I	—	Driver Side Impact Module High Control	2	0.5	OG/BU	3068	III	—
3	0.5	GN/OG	3069	I	—	Driver Side Impact Module Low Control	3	0.5	GN/OG	3069	III	—
4	0.5	VT	4106	I	—	Center Side Impact Module Low Control	4	0.5	VT	4106	III	—
5	0.5	BN/WH	4107	I	—	Center Side Impact Module High Control	5	0.5	BN/WH	4107	III	—

X312 Driver Seat Back Harness to Driver Seat Cushion Harness (KB6+ULT) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	0.75	BK	1150	I	—	Ground	6	0.75	BK	1150	III	—
7	1.5	BU/YE	277	II	—	Driver Power Seat Recline Motor Rearward Control	7	1.5	BU/YE	277	IV	—
8	—	—	—	—	—	Not Occupied	8	—	—	—	—	—
9	0.75	RD/GN	5140	I	—	Battery Positive Voltage	9	0.75	RD/GN	5140	III	—
10	0.35	GN/VT	5906	I	—	Driver Seat Vent Motor Control 1	10	0.35	GN/VT	5906	III	—
11	0.35	WH/BK	570	I	—	Driver Memory Seat Recline Motor Position Sensor Signal	11	0.5	WH/BK	570	III	—
12	0.35	WH/RD	3298	I	—	Memory Sensor High Reference 2	12	0.35	WH/RD	3298	III	—
13 - 14	—	—	—	—	—	Not Occupied	13 - 14	—	—	—	—	—

X312 Driver Seat Back Harness to Driver Seat Cushion Harness (KB6-ULT)



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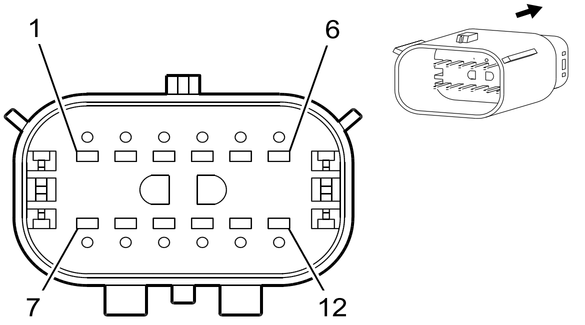


1825167

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 33472-1292
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 150 MX Series, Sealed (YE)

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 33482-1336
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way M 150 MX Series, Sealed (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

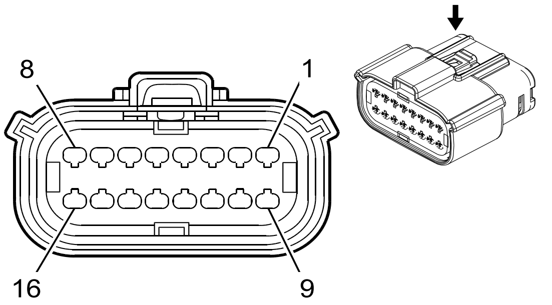
X312 Driver Seat Back Harness to Driver Seat Cushion Harness (KB6-ULT)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	OG/ BU	3068	I	—	Driver Side Impact Module High Control	1	0.5	OG/ BU	3068	II	—
2	0.5	GN/ OG	3069	I	—	Driver Side Impact Module Low Control	2	0.5	GN/ OG	3069	II	—
3	0.5	VT	4106	I	—	Center Side Impact Module Low Control	3	0.5	VT	4106	II	—
4	0.5	BN/ WH	4107	I	—	Center Side Impact Module High Control	4	0.5	BN/ WH	4107	II	—
5	0.75	BK	1150	I	—	Ground	5	0.75	BK	1150	II	—
6	0.75	RD/ GN	5140	I	—	Battery Positive Voltage	6	0.75	RD/ GN	5140	II	—
7	0.35	GN/ VT	5906	I	—	Driver Seat Vent Motor Control 1	7	0.35	GN/ VT	5906	II	—
8 - 10	—	—	—	—	—	Not Occupied	8 - 10	—	—	—	—	—

X312 Driver Seat Back Harness to Driver Seat Cushion Harness (KB6-ULT) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
11	0.35	WH/ BK	570	I	—	Driver Memory Seat Recline Motor Position Sensor Signal	11	0.5	WH/ BK	570	II	—
12	0.35	WH/ RD	3298	I	—	Memory Sensor High Reference 2	12	0.35	WH/ RD	3298	II	—

X312 Driver Seat Back Harness to Driver Seat Cushion Harness (KQV)



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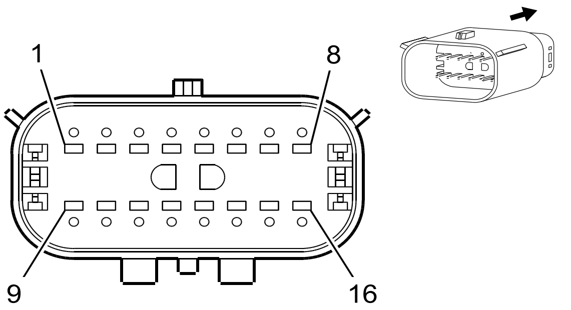


2548390

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 33472-1886
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way F 150 MX Series, Sealed (YE)

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 33482-1777
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way M 150 MX Series, Sealed (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

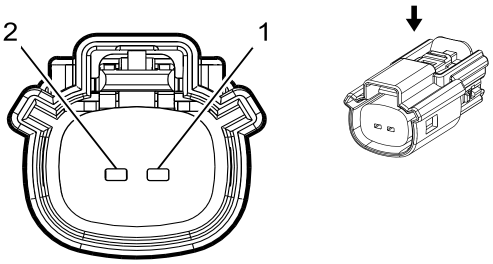
X312 Driver Seat Back Harness to Driver Seat Cushion Harness (KQV)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	OG/BU	3068	I	—	Driver Side Impact Module High Control	1	0.5	OG/BU	3068	II	—
2	0.5	GN/OG	3069	I	—	Driver Side Impact Module Low Control	2	0.5	GN/OG	3069	II	—
3	0.5	VT	4106	I	—	Center Side Impact Module Low Control	3	0.5	VT	4106	II	—
4	0.5	BN/WH	4107	I	—	Center Side Impact Module High Control	4	0.5	BN/WH	4107	II	—
5	0.75	BK	1150	I	—	Ground	5	0.75	BK	1150	II	—
6	0.75	BN	2432	I	—	Driver Heated Back Element Control	6	0.75	BN	2432	II	—
7	0.35	GN/VT	5906	I	—	Driver Seat Vent Motor Control 1	7	0.35	GN/VT	5906	II	—

X312 Driver Seat Back Harness to Driver Seat Cushion Harness (KQV) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.5	BK/YE	2080	I	—	Driver Heated Seat NTC Low Reference	8	0.5	BN/YE	2080	II	—
9	0.75	BN/BK	2078	I	—	Driver Heated Seat Element Low Reference	9	0.75	BN/BK	2078	II	—
10	0.5	BU	2425	I	—	Driver Heated Back NTC Signal	10	0.5	BU	2425	II	—
11	0.75	RD/GN	5140	I	—	Battery Positive Voltage	11	0.75	RD/GN	5140	II	—
12	0.35	WH/BK	570	I	—	Driver Memory Seat Recline Motor Position Sensor Signal	12	0.5	WH/BK	570	II	—
13	0.35	WH/RD	3298	I	—	Memory Sensor High Reference 2	13	0.35	WH/RD	3298	II	—
14 - 16	—	—	—	—	—	Not Occupied	14 - 16	—	—	—	—	—

X312 Driver Seat Back Harness to Driver Seat Cushion Harness (-KQV/KB6)



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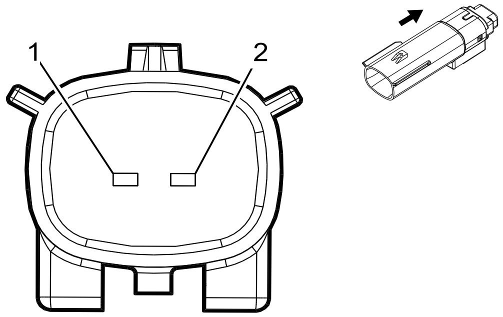


3338703

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 33471-0223
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (YE)

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 33481-0210
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.5 MX Series, Sealed (YE)

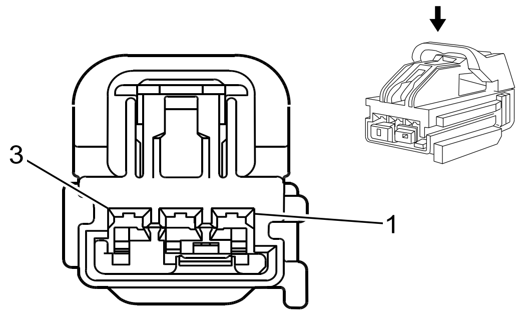
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X312 Driver Seat Back Harness to Driver Seat Cushion Harness (-KQV/KB6)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	OG/BU	3068	I	—	Driver Side Impact Module High Control	1	0.5	OG/BU	3068	II	—
2	0.5	GN/OG	3069	I	—	Driver Side Impact Module Low Control	2	0.5	GN/OG	3069	II	—

X313 Floor Console Extension Harness to Floor Console Harness (K4C)



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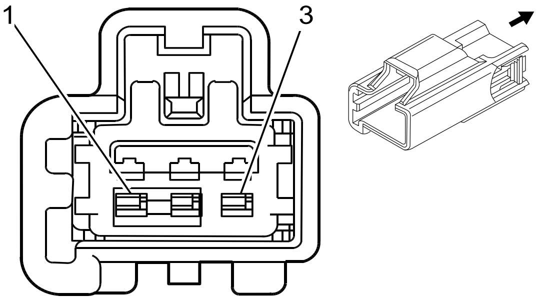


1787800

Connector Part Information

Harness Type: Floor Console Extension
OEM Connector: 10847008
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.5 Kaizen Series (L-GY)

Connector Part Information

Harness Type: Floor Console
OEM Connector: 10846803
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way M 1.5 YESC Kaizen Series (L-GY)

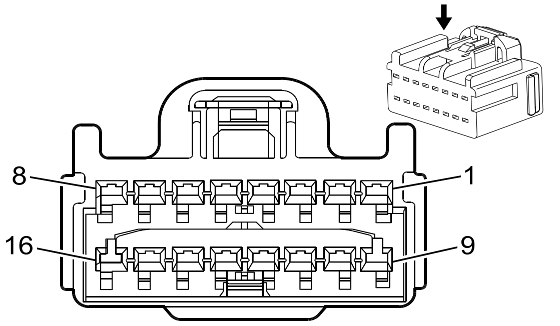
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X313 Floor Console Extension Harness to Floor Console Harness (K4C)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	VT/YE	43	I	—	Accessory Ignition Voltage Accessory Ignition Voltage	1	0.35	VT/YE	43	II	—
2	0.75	BK	1050	I	—	Ground	2	0.75	BK	1050	II	—
3	0.35	GN	4512	I	—	Wireless Charging System Charge Indicator Control Wireless Charging System Charge Indicator Control	3	0.35	GN	4512	II	—

X315 Headliner Harness to Body Harness



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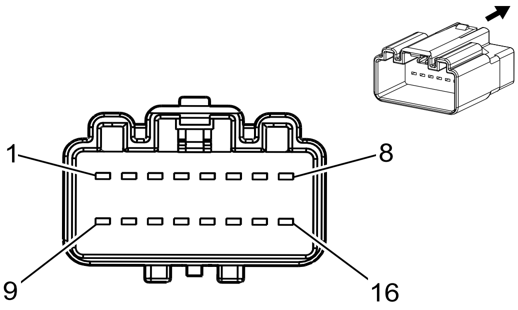


1483278

Connector Part Information

Harness Type: Headliner
OEM Connector: 10847013
Service Connector: 89047090
Description: 16-Way F 1.5 Kaizen Series (GN)

Connector Part Information

Harness Type: Body
OEM Connector: 13507433
Service Connector: 89047072
Description: 16-Way M 1.5 Kaizen Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13578891	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available
III	19119842	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
IV	19301755	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

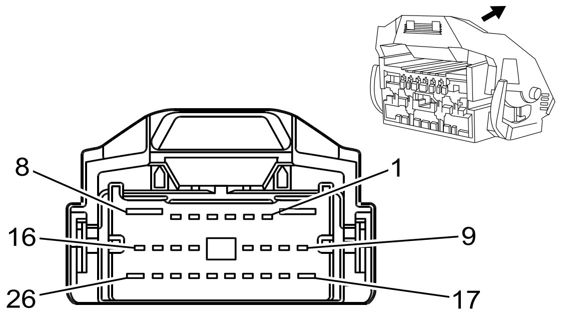
X315 Headliner Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	RD/BU	4540	I	—	Battery Positive Voltage	1	0.5	RD/BU	4540	III	—
2 - 3	—	—	—	—	—	Not Occupied	2 - 3	—	—	—	—	—
4	0.5	BU/VT	3813	I	—	High Speed GMLAN Serial Data (+) 4	4	0.5	BU/VT	3813	III	—
5	0.5	WH	3811	I	—	High Speed GMLAN Serial Data (-) 4	5	0.5	WH	3811	III	—
6	0.5	GN/BN	6132	I	—	Local Interconnect Network Serial Data Bus 1	6	0.5	GN/BN	6132	III	—

X315 Headliner Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.5	BU/ VT	3813	I	—	High Speed GMLAN Serial Data (+) 4	7	0.5	BU/ VT	3813	III	—
8	0.5	WH	3811	I	—	High Speed GMLAN Serial Data (-) 4	8	0.5	WH	3811	III	—
9	0.35	GY/ VT	3808	I	—	Front Object Sensor Control 2	9	0.35	GY/ VT	3808	II	—
10	0.35	GN/ BK	3008	I	—	Noise Reduction Microphone 1 Low Reference	10	0.35	GN/ BK	3008	IV	—
11	0.35	GN/ WH	3005	I	—	Noise Reduction Microphone 1 Signal	11	0.35	GN/ BN	3005	IV	—
12	0.35	BU/ BK	3009	I	—	Noise Reduction Microphone 2 Low Reference	12	0.35	BU/ BK	3009	IV	—
13	0.35	BU/ YE	3006	I	—	Noise Reduction Microphone 2 Signal	13	0.35	BU/ YE	3006	IV	—
14	0.35	GY/ BN	3010	I	—	Noise Reduction Microphone 3 Low Reference	14	0.35	GY/ BN	3010	IV	—
15	0.35	GY/ BU	3007	I	—	Noise Reduction Microphone 3 Signal	15	0.35	GY/ BU	3007	IV	—
16	—	—	—	—	—	Not Occupied	16	—	—	—	—	—

X316 Headliner Harness to Overhead Console Harness



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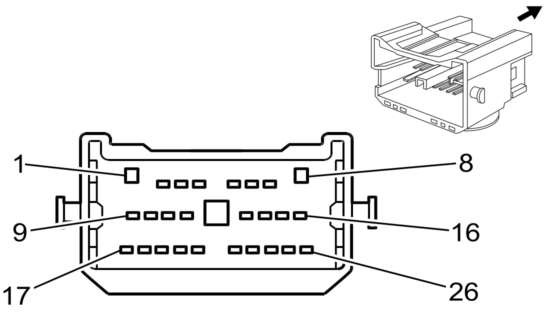


823289

Connector Part Information

Harness Type: Headliner
OEM Connector: 15518265
Service Connector: 13587877
Description: 26-Way F 1.5, 2.8, 6.3 Series (BK)

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 13536441
Service Connector: Service by Harness - See Part Catalog
Description: 26-Way M 1.5, 2.8, 6.3 YESC Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575850	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	13578891	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	13580025	J-35616-4A (PU)	J-38125-11A	7116-4110-02	Yazaki 9	E	C
IV	13580025	J-35616-4A (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
V	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
VI	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

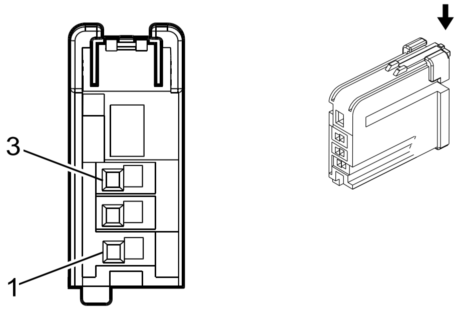
X316 Headliner Harness to Overhead Console Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.35	GN	6112	II	—	Power Lift Gate On/Off Switch Signal	2	0.35	GN	6112	V	—
3	—	—	—	—	—	Not Occupied	3	—	—	—	—	—
4	0.5	BK	1050	II	—	Ground	4	0.5	BK	1050	V	—
5	0.35	GY/GN	328	II	—	Interior Lamp Defeat Switch Signal	5	0.35	GY/GN	328	V	—
6	0.35	GY/BU	156	II	—	Courtesy Lamp Switch Signal	6	0.35	GY	156	V	—

X316 Headliner Harness to Overhead Console Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.5	WH/ BN	6815	II	—	Inadvertent Power Control	7	0.5	WH/ BN	6815	V	—
8	—	—	—	—	—	Not Occupied	8	—	—	—	—	—
9	0.35	VT/ GN	7558	II	—	LED Ambient Lighting Control 2	9	0.35	VT/ GN	7558	V	—
10	0.5	YE	6817	II	—	LED Backlight Dimming Control	10	0.5	YE	6817	V	—
11	0.35	VT/ BK	1139	II	—	Run/Crank Ignition 1 Voltage	11	0.35	VT/ WH	1139	V	—
12	0.35	VT/ WH	5234	II	—	Passenger Seat Belt Indicator Control	12	0.35	VT/ WH	5234	V	—
13	0.35	BU	2307	II	—	Passenger Air Bag On Indicator Control	13	0.35	BU	2307	V	—
14	0.35	GN/ RD	2308	II	—	Passenger Air Bag Off Indicator Control	14	0.35	GN	2308	V	—
15	0.35	RD/ BU	4540	II	—	Battery Positive Voltage	15	0.35	RD/ BU	4540	V	—
16	0.5	GN/ BN	6132	II	—	Local Inter-connect Network Serial Data Bus 1	16	0.5	GN/ BN	6132	V	—
17	0.75	RD/ YE	240	IV	—	Battery Positive Voltage	17	0.35	RD/ YE	240	VI	—
18	0.35	GY/ BK	6113	II	—	Rear Lift Gate Open/ Close Switch Signal	18	0.35	GY/ BK	6113	V	—
19 - 20	—	—	—	—	—	Not Occupied	19 - 20	—	—	—	—	—
21	0.5	GY	157	II	—	Interior Lamp Control	21	0.5	GY	157	V	—
22	0.35	GN/ BU	2514	II	—	Keypad Signal	22	0.35	GN/ BU	2514	V	—
23	0.75	VT/ YE	43	I	—	Accessory Ignition Voltage	23	0.35	VT/ YE	43	V	—
24	0.35	GN/ BK	2515	II	—	Keypad Control	24	0.35	GN/ BK	2515	V	—
25	0.35	YE/ BN	2516	II	—	Keypad Green LED Control	25	0.35	YE/ BN	2516	V	—
26	0.35	BN/ WH	2517	III	—	Keypad Red LED Control	26	0.35	BN/ WH	2517	VI	—

X318 Rain Sensor Jumper Harness to Headliner Harness



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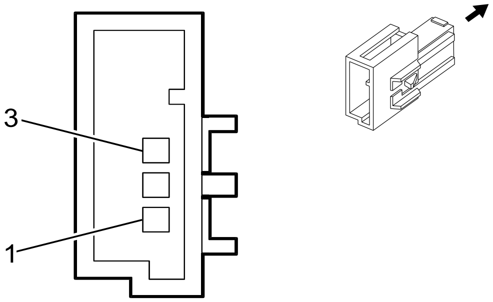


2179788

Connector Part Information

Harness Type: Rain Sensor Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F

Connector Part Information

Harness Type: Headliner
OEM Connector: 13646861
Service Connector: 13579450
Description: 3-Way M 0.64 Series (BK)

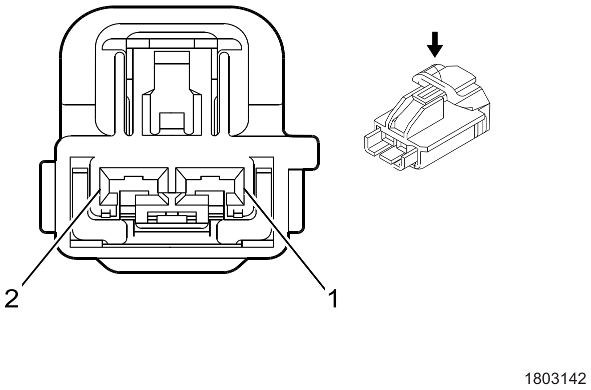
Terminal Part Information

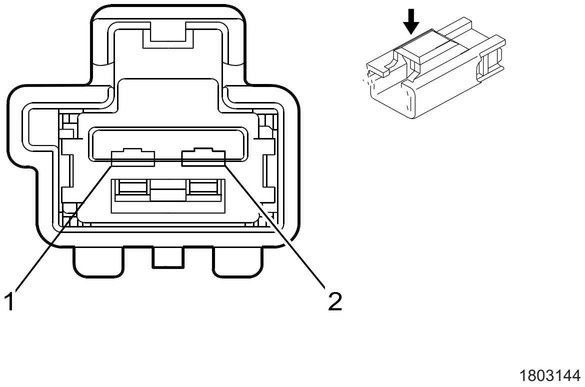
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X318 Rain Sensor Jumper Harness to Headliner Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	RD/BU	840	I	—	Battery Positive Voltage	1	0.35	RD/BU	840	II	—
2	0.5	GN/BN	6132	I	—	Local Interconnect Network Serial Data Bus 1	2	0.5	GN/BN	6132	II	—
3	0.35	BK	1050	I	—	Ground	3	0.35	BK	1050	II	—

X319 A-Pillar Harness to Headliner Harness (CF5)





Connector Part Information

Harness Type: A-Pillar
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F

Connector Part Information

Harness Type: Headliner
OEM Connector: 10846812
Service Connector: 88988510
Description: 2-Way M YESC Kaizen Series (L-GY)

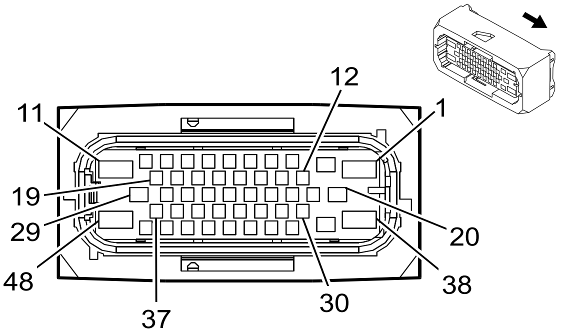
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X319 A-Pillar Harness to Headliner Harness (CF5)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/ GN	3140	I	—	Battery Positive Voltage	1	2.5	RD/ GN	3140	II	—
2	2.5	BK	1050	I	—	Ground	2	2.5	BK	1050	II	—

X320 Passenger Seat Cushion Harness to Body Harness



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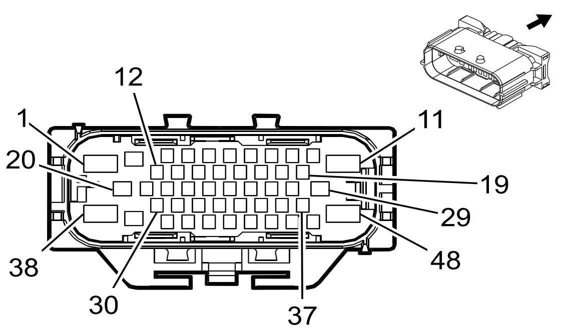


3240126

Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 15509590

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (YE)

Connector Part Information

Harness Type: Body

OEM Connector: 15513436

Service Connector: 19301796

Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-40 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
IV	13505807	J-35616-19 (BK)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VII	19329756	J-35616-32 (OR)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VIII	19352419	J-35616-19 (BK)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IX	19353142	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X320 Passenger Seat Cushion Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	2.5	RD/BN	1440	III	—	Battery Positive Voltage	2	2.5	RD/BN	1440	VI	—
3 - 4	—	—	—	—	—	Not Occupied	3 - 4	—	—	—	—	—

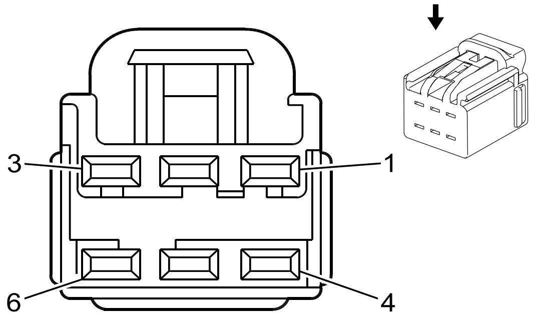
X320 Passenger Seat Cushion Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
5	—	—	—	—	—	Passenger Seat Position Switch Signal	5	0.35	OG/ BU	5056	VIII	—
6	0.35	OG/ VT	1362	I	—	Passenger Seat Belt Switch Signal	6	0.35	OG/ VT	1362	VIII	—
7	0.35	BK/ OG	1361	I	—	Passenger Seat Belt Switch Low Reference	7	0.35	BK/ OG	1361	VIII	—
8	0.75	BN/ VT	2077	I	—	Driver Heated Seat Element Control	8	0.75	BN/ VT	2077	V	—
9	0.75	BN	2432	I	—	Driver Heated Back Element Control	9	0.75	BN	2432	V	—
10	—	—	—	—	—	Not Occupied	10	—	—	—	—	—
11	4	BK	1250	II	—	Ground	11	4	BK	1250	VII	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—
13	0.5	RD/ WH	2240	I	—	Battery Positive Voltage	13	0.5	RD/ BN	2240	IV	—
14	0.35	BU/ RD	5612	I	—	Passenger Seat Belt Tension Sensor 5V Reference	14	0.35	BU/ RD	5612	VIII	—
15	0.35	VT/ OG	5611	I	—	Passenger Seat Belt Tension Sensor Signal	15	0.35	VT/ OG	5611	VIII	—
16	—	—	—	—	—	Not Occupied	16	—	—	—	—	—
17	0.75	RD/ GN	6140	I	—	Battery Positive Voltage	17	0.75	RD/ GN	6140	V	—
18	—	—	—	—	—	Not Occupied	18	—	—	—	—	—
19	0.35 0.35	VT/ WH GN/ VT	5908 5906	I I	KB6 KQV	Passenger Seat Vent Motor Control 1 Driver Seat Vent Motor Control 1	19	0.35 0.35	VT/ WH GN/ VT	5908 5906	VIII VIII	KB6 KQV
20 - 21	—	—	—	—	—	Not Occupied	20 - 21	—	—	—	—	—
22	0.75	BN/ BK	2078	I	—	Driver Heated Seat Element Low Reference	22	0.75	BN/ BK	2078	V	—

X320 Passenger Seat Cushion Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
23	0.75	RD/ BN	1140	I	—	Battery Positive Voltage	23	0.5	RD/ BN	1140	IV	—
24	0.5	BN/ OG	3067	I	—	Passenger Side Impact Module Low Control	24	0.35	BN/ OG	3067	IX	—
25	0.5	GY/ OG	3480	I	—	Passenger Seat Belt Anchor Pretensioner Low Control	25	0.35	GY/ OG	3480	IX	—
26	0.5	GN	5060	I	—	Low Speed GMLAN Serial Data	26	0.35	GN	5060	VIII	—
27	0.35	GN/ BU	6133	I	—	Local Inter-connect Network Serial Data Bus 2	27	0.5	GN/ BU	6133	IV	—
28	0.5	BK/ YE	2080	I	—	Driver Heated Seat NTC Low Reference	28	0.5	BK/ YE	2080	IV	—
29	—	—	—	—	—	Not Occupied	29	—	—	—	—	—
30	0.5	BU	2425	I	—	Driver Heated Back NTC Signal	30	0.5	BU	2425	IV	—
31	—	—	—	—	—	Not Occupied	31	—	—	—	—	—
32	0.5	YE/ GY	2079	I	—	Driver Heated Seat NTC Signal	32	0.5	YE/ GY	2079	IV	—
33	0.5	OG/ GY	3066	I	—	Passenger Side Impact Module High Control	33	0.35	OG/ GY	3066	IX	—
34	0.5	OG/ BN	3479	I	—	Passenger Seat Belt Anchor Pretensioner High Control	34	0.35	OG/ BN	3479	IX	—
35	0.35	RD/ GN	4440	I	—	Battery Positive Voltage	35	0.35	RD/ GN	4440	VIII	—
36	0.35	BK/ WH	2751	I	—	Signal Ground	36	0.5	BK/ WH	2751	IV	—
37 - 45	—	—	—	—	—	Not Occupied	37 - 45	—	—	—	—	—
46	0.35	GY	157	I	—	Interior Lamp Control	46	0.35	WH/ YE	7557	VIII	—
47	0.75	RD/ GN	5140	I	—	Battery Positive Voltage	47	0.75	RD/ GN	5140	V	—
48	—	—	—	—	—	Not Occupied	48	—	—	—	—	—

X321 Passenger Seat Back Harness to Passenger Seat Cushion Harness



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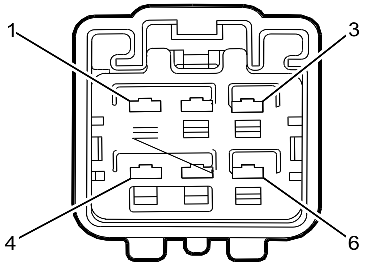


1849802

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 7283-6466-40
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F YESC Kaizen Series (L-GY)

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7282-6466-40
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M YESC Kaizen Series (L-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

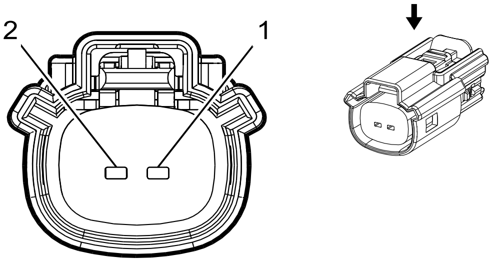
X321 Passenger Seat Back Harness to Passenger Seat Cushion Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BU/ YE	792	I	—	Passenger Power Seat Lumbar Motor Down Control	1	1.5	BU/ YE	792	II	—
2	0.75	BN/ YE	793	I	—	Passenger Power Seat Lumbar Motor Up Control	2	1.5	BN/ YE	793	II	—
3	1.5 0.75	BU BU	211 211	I I	AG2/AG6 +AL9-A45 AL2	Passenger Power Seat Lumbar Motor Forward Control Passenger Power Seat Lumbar Motor Forward Control	3	1.5	BU	211	II	—

X321 Passenger Seat Back Harness to Passenger Seat Cushion Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
4	1.5 0.75	VT VT	210 210	I I	AG2/AG6 +AL9-A45 AL2	Passenger Power Seat Lumbar Motor Rearward Control Passenger Power Seat Lumbar Motor Rearward Control	4	1.5	VT	210	II	—
5	1.5	GN	76	I	—	Passenger Power Seat Recline Motor Forward Control	5	1.5	GN	76	II	—
6	1.5	BU/ BN	77	I	—	Passenger Power Seat Recline Motor Rearward Control	6	1.5	BU/ BN	77	II	—

X322 Passenger Seat Back Harness to Passenger Seat Cushion Harness (-KB6/KQV)



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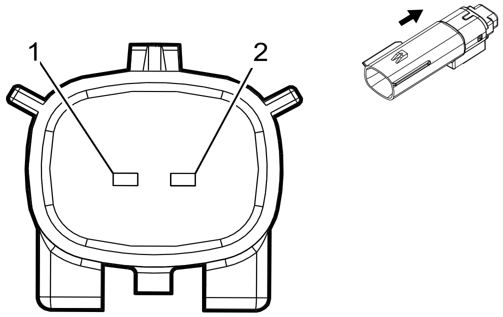


3338703

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 33471-0223
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (YE)

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 33481-0210
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.5 MX Series, Sealed (YE)

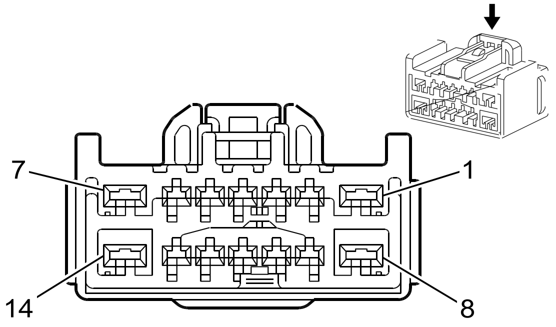
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X322 Passenger Seat Back Harness to Passenger Seat Cushion Harness (-KB6/KQV)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	OG/GY	3066	I	—	Passenger Side Impact Module High Control	1	0.5	OG/GY	3066	II	—
2	0.5	BN/OG	3067	I	—	Passenger Side Impact Module Low Control	2	0.5	BN/OG	3067	II	—

X322 Passenger Seat Back Harness to Passenger Seat Cushion Harness (KB6+ULT)



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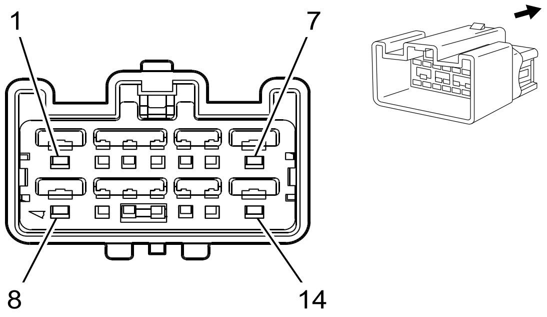


1283905

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 7283-6447-70
Service Connector: Service by Harness - See Part Catalog
Description: 14-Way F 1.5, 2.8 Series (YE)

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7282-6447-70
Service Connector: Service by Harness - See Part Catalog
Description: 14-Way M 1.5, 2.8 Series (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
IV	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

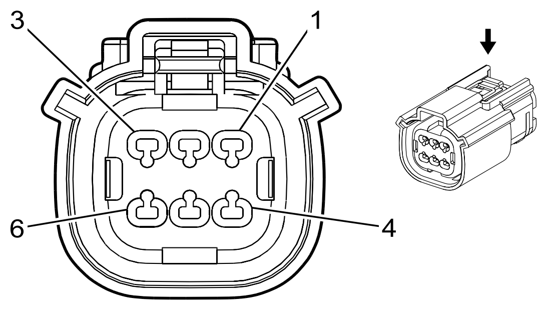
X322 Passenger Seat Back Harness to Passenger Seat Cushion Harness (KB6+ULT)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	GN	76	II	—	Passenger Power Seat Recline Motor Forward Control	1	1.5	GN	76	IV	—
2	0.5	OG/ GY	3066	I	—	Passenger Side Impact Module High Control	2	0.5	OG/ GY	3066	III	—
3	0.5	BN/ OG	3067	I	—	Passenger Side Impact Module Low Control	3	0.5	BN/ OG	3067	III	—
4	0.75	BK	1250	I	—	Ground	4	0.75	BK	1250	III	—
5	0.75	BN/ BU	2479	I	—	Passenger Heated Seat Element Control	5	0.75	BN/ BU	2479	III	—

X322 Passenger Seat Back Harness to Passenger Seat Cushion Harness (KB6+ULT) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	0.5	RD/ WH	2240	I	—	Battery Positive Voltage	6	0.5	RD/ WH	2240	III	—
7	1.5	BU/ BN	77	II	—	Passenger Power Seat Recline Motor Rearward Control	7	1.5	BU/ BN	77	IV	—
8	0.75	RD/ GN	6140	II	—	Battery Positive Voltage	8	0.75	RD/ GN	6140	IV	—
9	0.35	VT/ WH	5908	I	—	Passenger Seat Vent Motor Control 1	9	0.35	VT/ WH	5908	III	—
10	0.35	GN/ GY	3758	I	—	Local Interconnect Network Serial Data Bus 13	10	0.35	GN/ GY	3758	III	—
11	0.5	VT	901	I	—	—	11	0.5	VT	901	III	—
12	0.5	GN	903	I	—	—	12	0.5	GN	903	III	—
13 - 14	—	—	—	—	—	Not Occupied	13 - 14	—	—	—	—	—

X322 Passenger Seat Back Harness to Passenger Seat Cushion Harness (KB6-ULT)



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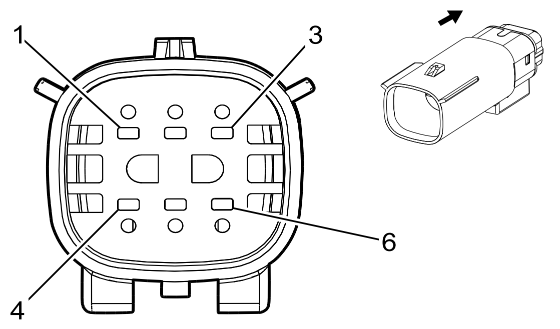


1986159

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 33472-0682
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 150 MX Series, Sealed (YE)

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 33482-0644
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M 150 MX Series, Sealed (YE)

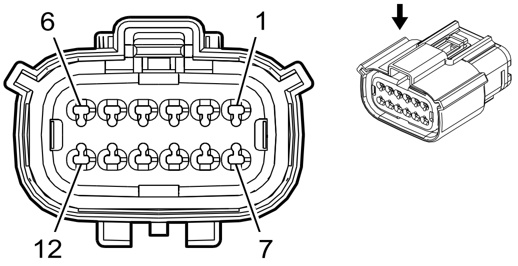
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X322 Passenger Seat Back Harness to Passenger Seat Cushion Harness (KB6-ULT)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	OG/GY	3066	I	—	Passenger Side Impact Module High Control	1	0.5	OG/GY	3066	II	—
2	0.5	BN/OG	3067	I	—	Passenger Side Impact Module Low Control	2	0.5	BN/OG	3067	II	—
3	0.75	BK	1250	I	—	Ground	3	0.75	BK	1250	II	—
4	0.75 0.75	RD/GN WH/BN	6140 2481	I I	KB6 KQV	Battery Positive Voltage Passenger Heated Back Element Control	4	0.75 0.75	RD/GN WH/BN	6140 2481	II II	KB6 KQV
5	0.35	VT/WH	5908	I	—	Passenger Seat Vent Motor Control 1	5	0.35	VT/WH	5908	II	—
6	—	—	—	—	—	Not Occupied	6	—	—	—	—	—

X322 Passenger Seat Back Harness to Passenger Seat Cushion Harness (KQV)



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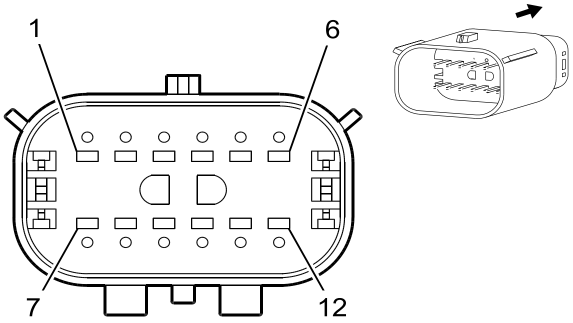


1825167

Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 33472-1292
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 150 MX Series, Sealed (YE)

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 33482-1336
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way M 150 MX Series, Sealed (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

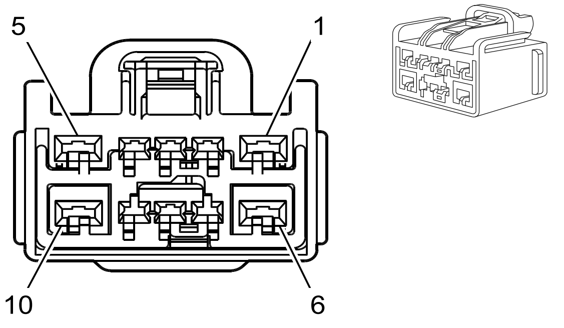
X322 Passenger Seat Back Harness to Passenger Seat Cushion Harness (KQV)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	OG/ GY	3066	I	—	Passenger Side Impact Module High Control	1	0.5	OG/ GY	3066	II	—
2	0.5	BN/ OG	3067	I	—	Passenger Side Impact Module Low Control	2	0.5	BN/ OG	3067	II	—
3	0.75	BK	1250	I	—	Ground	3	0.75	BK	1250	II	—
4	0.75	WH/ BN	2481	I	—	Passenger Heated Back Element Control	4	0.75	WH/ BN	2481	II	—
5	0.35	VT/ WH	5908	I	—	Passenger Seat Vent Motor Control 1	5	0.35	VT/ WH	5908	II	—
6	0.5	BK/ GN	2482	I	—	Passenger Heated Back NTC Low Reference	6	0.5	BK/ GN	2482	II	—
7	0.75	GY/ BK	2480	I	—	Passenger Heated Seat Element Low Reference	7	0.75	GY/ BK	2480	II	—

X322 Passenger Seat Back Harness to Passenger Seat Cushion Harness (KQV) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.5	WH/ BU	2436	I	—	Passenger Heated Back NTC Signal	8	0.5	WH/ BU	2436	II	—
9	0.75	RD/ GN	6140	I	—	Battery Positive Voltage	9	0.75	RD/ GN	6140	II	—
10 - 12	—	—	—	—	—	Not Occupied	10 - 12	—	—	—	—	—

X324 Headliner Harness to Overhead Console Harness



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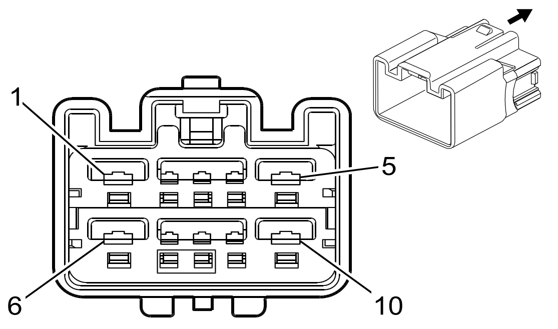


1851890

Connector Part Information

Harness Type: Headliner
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F

Connector Part Information

Harness Type: Overhead Console
OEM Connector: 13506926
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way M YESC Kaizen Series (L-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Available	Not Available	Not Available	Not Available
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

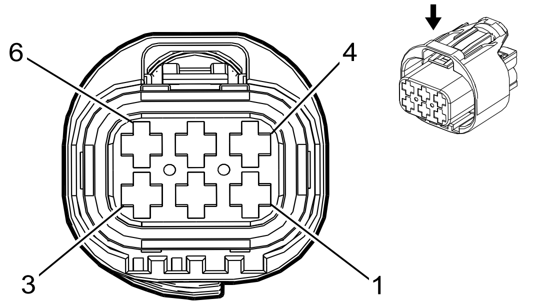
X324 Headliner Harness to Overhead Console Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.35	GN/WH	100	I	—	Sunroof Switch Open Signal	2	0.35	GN/WH	100	II	—
3	0.35	BN/BU	2074	I	—	Sunroof Switch Express Signal	3	0.35	BN/BU	2074	II	—
4	0.35	GY/VT	2075	I	—	Sunroof Switch Close Vent Signal	4	0.35	GY/VT	2075	II	—
5	—	—	—	—	—	Not Occupied	5	—	—	—	—	—
6	0.35	VT/YE	43	I	—	Accessory Ignition Voltage	6	0.35	VT/YE	43	III	—
7	0.35	BU/WH	110	I	—	Sunroof Switch Close Signal	7	0.35	BU/WH	110	II	—
8	0.35	YE/VT	144	I	—	Sunroof Switch Open Vent Signal	8	0.35	YE/VT	144	II	—

X324 Headliner Harness to Overhead Console Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
9 - 10	—	—	—	—	—	Not Occupied	9 - 10	—	—	—	—	—

X338 Body Harness to 3rd Row Seat Left Harness



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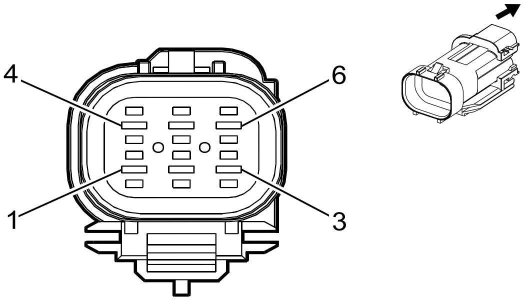


2042939

Connector Part Information

Harness Type: Body
OEM Connector: 10865192
Service Connector: 19332889
Description: 6-Way F 2.8 Junior Power Timer Series, Sealed (BK)

Connector Part Information

Harness Type: 3rd Row Seat Left
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M

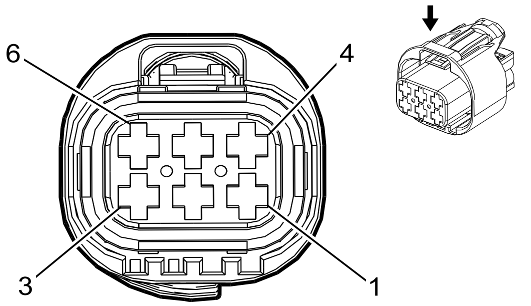
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X338 Body Harness to 3rd Row Seat Left Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/ BU	1240	I	—	Battery Positive Voltage	1	2.5	RD/ BU	1240	II	—
2	0.5	GN	4224	I	—	LH Third Row Seat Recline Rearward Signal	2	0.5	GN	4224	II	—
3	0.5	GN/ BK	4223	I	—	LH Third Row Seat Recline Forward Signal	3	0.5	GN/ BK	4223	II	—
4	0.5	YE	4220	I	—	RH Third Row Seat Recline Rearward Signal	4	0.5	YE	4220	II	—
5	0.5	YE/ BK	4219	I	—	RH Third Row Seat Recline Forward Signal	5	0.5	YE/ BK	4219	II	—
6	2.5	BK	1150	I	—	Ground	6	2.5	BK	1150	II	—

X340 3rd Row Seat Right Harness to 3rd Row Seat Left Harness (AS8)



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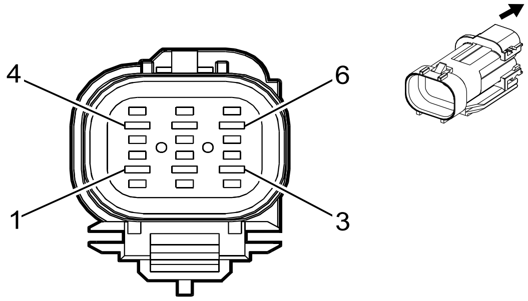


2042939

Connector Part Information

Harness Type: 3rd Row Seat Right
OEM Connector: 13125598
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 2.8 Junior Power Timer Series, Sealed (BK)

Connector Part Information

Harness Type: 3rd Row Seat Left
OEM Connector: 1452324-2
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M 2.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

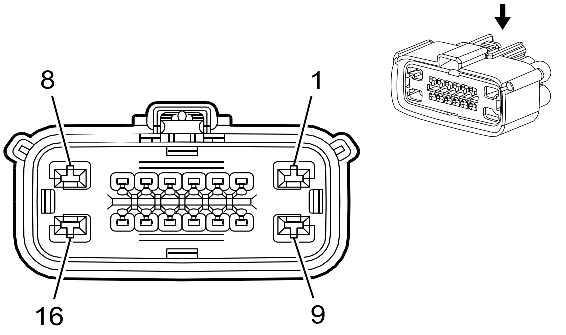
X340 3rd Row Seat Right Harness to 3rd Row Seat Left Harness (AS8)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	OG	4218	I	—	RH Third Row Seat Recline Rearward Control	1	—	OG	4218	II	—
2	—	WH/BK	4215	I	—	Seat Sensor Voltage Reference #2	2	—	WH/BK	4215	II	—
3	—	RD/GY	4225	I	—	RH Third Row Seat Recline Forward Lock Actuator Control	3	—	RD/GY	4225	II	—
4	—	BU	4217	I	—	RH Third Row Seat Recline Motor Forward Control	4	—	BU	4217	II	—

X340 3rd Row Seat Right Harness to 3rd Row Seat Left Harness (AS8) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
5	—	WH/RD	4213	I	—	RH Third Row Seat Recline Position Sensor Signal	5	—	WH/RD	4213	II	—
6	—	GN	4226	I	—	RH Third Row Seat Recline Rearward Lock Actuator Control	6	—	GN	4226	II	—

X348 Center Seat Harness to Body Harness (AZ3)



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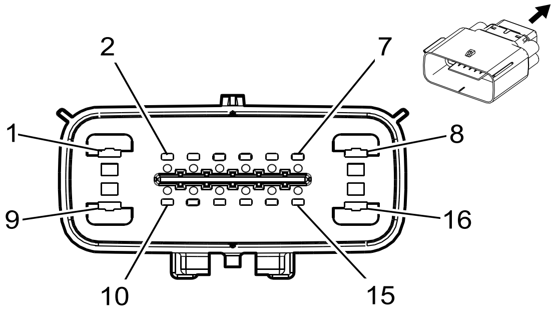


2373686

Connector Part Information

Harness Type: Center Seat
OEM Connector: 34985-1606
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way F 1.5, 2.8 Series, Sealed (BK)

Connector Part Information

Harness Type: Body
OEM Connector: 33129084
Service Connector: 19331031
Description: 16-Way M 1.5, 2.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	19119394	J-35616-5 (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	19119440	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
V	19119842	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

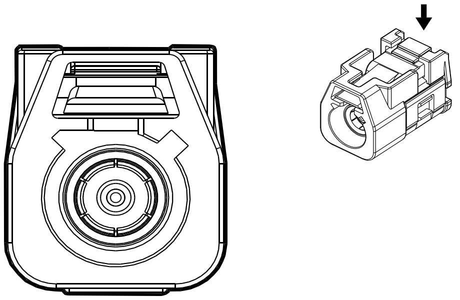
X348 Center Seat Harness to Body Harness (AZ3)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	VT/ YE	143	II	—	Accessory Ignition Voltage	1	1.5	VT/ YE	143	III	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—
3	0.35	BK	5842	I	—	Auxiliary Audio Screen 2	3	0.5	BK	5842	V	—
4	0.35	GY	5839	I	—	Left Auxiliary Audio Signal 2	4	0.35	GY	5839	V	—
5	0.35	BU	2060	I	—	Auxiliary Detection Signal	5	0.35	BU	2060	V	—
6	0.35	BK	2550	I	—	Ground	6	0.75	BK	2550	IV	—
7	—	—	—	—	—	Not Occupied	7	—	—	—	—	—
8	1.5	BK	1250	II	—	Ground	8	1.5	BK	1250	III	—

X348 Center Seat Harness to Body Harness (AZ3) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
9	1.5	VT/ YE	243	II	—	Accessory Ignition Voltage	9	1.5	VT/ YE	243	III	—
10	—	—	—	—	—	Not Occupied	10	—	—	—	—	—
11	0.35	GN	5841	I	—	Right Auxiliary Audio Signal 2	11	0.35	GN	5841	V	—
12	0.35	VT	5843	I	—	Auxiliary Audio Common Signal	12	0.35	VT	5843	V	—
13	—	—	—	—	—	Not Occupied	13	—	—	—	—	—
14	0.75	RD/ VT	340	I	—	Battery Positive Voltage	14	0.75	RD/ VT	340	IV	—
15	—	—	—	—	—	Not Occupied	15	—	—	—	—	—
16	1.5	BK	1250	II	—	Ground	16	1.5	BK	1250	III	—

X353 Headliner Coax Harness to Headliner Harness (DRZ-SWB)



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3530700

Connector Part Information

Harness Type: Headliner Coax
OEM Connector: 5-2138895-1
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

Connector Part Information

Harness Type: Headliner COAX
OEM Connector: Not Available
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way M

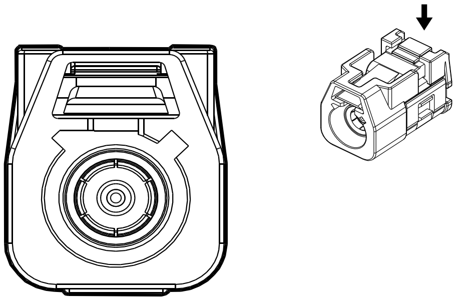
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X353 Headliner Coax Harness to Headliner Harness (DRZ-SWB)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(ISRVM) Camera Video Signal	—	—	Coax	—	I	—

X354 Headliner Harness Coax to Liftgate Jumper Harness Coax (DRZ+SWB)



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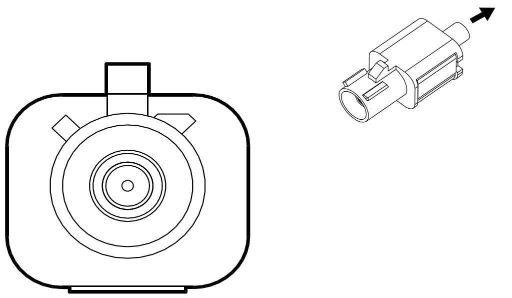

4496217

Connector Part Information

Harness Type: Headliner Coax

OEM Connector: 5-2138895-1

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way F Coax Type (BK)

Connector Part Information

Harness Type: Liftgate Coax

OEM Connector: 13594293

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way M Coax Type (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X354 Headliner Harness Coax to Liftgate Jumper Harness Coax (DRZ+SWB)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(ISRVM) Camera Video Signal	—	—	Coax	—	I	—

X366 Rear Seat Entertainment Jumper Harness to Headliner Harness (ULT)

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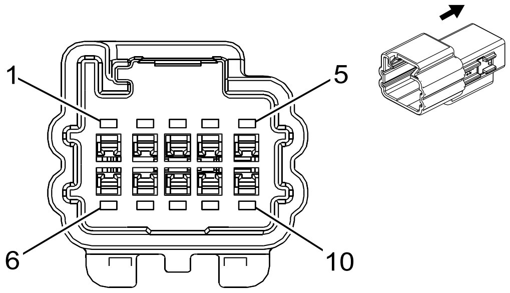


4249317

Connector Part Information

Harness Type: Rear Seat Entertainment Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F

Connector Part Information

Harness Type: Headliner
OEM Connector: 33174126
Service Connector: 13595576
Description: 10-Way M 1.2 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-12 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	19333325	J-35616-13 (BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

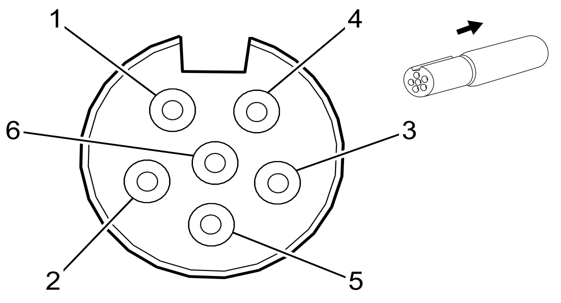
X366 Rear Seat Entertainment Jumper Harness to Headliner Harness (ULT)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	WH/GN	7262	I	—	Rear Seat Entertainment Channel 3 Audio Signal Right (+)	1	0.35	WH/GN	7262	II	—
2	0.35	BN/WH	7263	I	—	Rear Seat Entertainment Channel 3 Audio Signal Right (-)	2	0.35	BN/WH	7263	II	—
3	0.35	WH/VT	7260	I	—	Rear Seat Entertainment Channel 3 Audio Signal Left (+)	3	0.35	WH/VT	7260	II	—
4	0.35	BN	7261	I	—	Rear Seat Entertainment Channel 3 Audio Signal Left (-)	4	0.35	BN	7261	II	—

X366 Rear Seat Entertainment Jumper Harness to Headliner Harness (ULT) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
5	0.35	Bare	7264	I	—	Rear Seat Entertainment Channel 3 Audio Drain Wire	5	0.35	Bare	7264	II	—
6	0.35	WH/BN	7267	I	—	Rear Seat Entertainment Channel 4 Audio Signal Right (+)	6	0.35	WH/BN	7267	II	—
7	0.35	BN/BU	7268	I	—	Rear Seat Entertainment Channel 4 Audio Signal Right (-)	7	0.35	BN/BU	7268	II	—
8	0.35	WH/BU	7265	I	—	Rear Seat Entertainment Channel 4 Audio Signal Left (+)	8	0.35	WH/BU	7265	II	—
9	0.35	BN/GY	7266	I	—	Rear Seat Entertainment Channel 4 Audio Signal Left (-)	9	0.35	BN/GY	7266	II	—
10	0.35	Bare	7269	I	—	Rear Seat Entertainment Channel 4 Audio Drain Wire	10	0.35	Bare	7269	II	—

X371 Accessory Signal Harness 1A to Accessory Signal Harness 3A (AYE)



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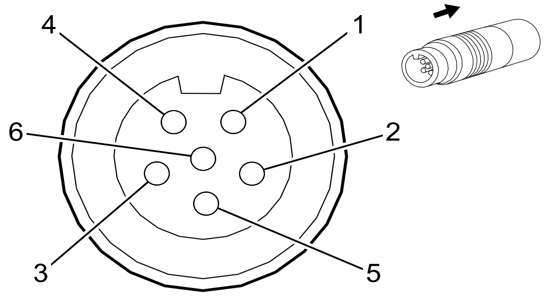


2334192

Connector Part Information

Harness Type: Accessory Signal Harness 1A
OEM Connector: Not Available F
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 6-Way F (BK with RD case)

Connector Part Information

Harness Type: Accessory Signal Harness 3A
OEM Connector: Not Available M
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M 6-Way M (BK with RD case

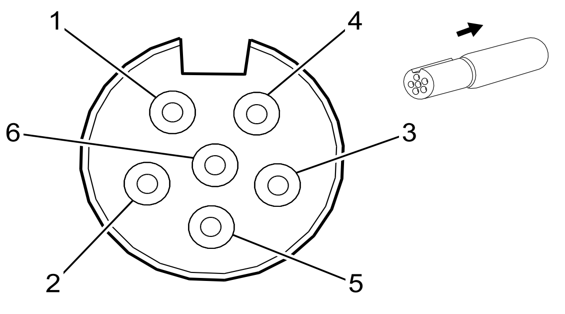
Terminal Part Information

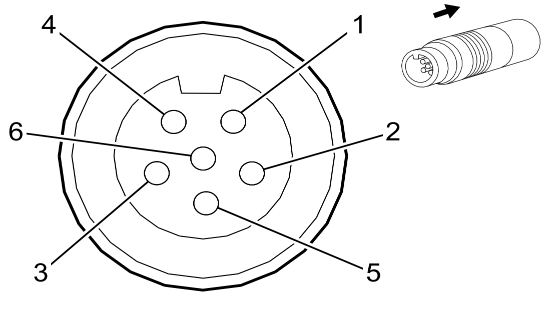
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X371 Accessory Signal Harness 1A to Accessory Signal Harness 3A (AYE)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	RD	—	I	—	Ignition Voltage	1	—	RD	—	II	—
2	—	BK	—	I	—	Ground	2	—	BK	—	II	—
3	—	WH	—	I	—	Left Audio Signal B (+)	3	—	WH	—	II	—
4	—	RD	—	I	—	Right Audio Signal B (+)	4	—	RD	—	II	—
5	—	YE	—	I	—	DVD Video Signal B (+)	5	—	YE	—	II	—
6	—	BK	—	I	—	Audio/Video Common B (-)	6	—	BK	—	II	—

X372 Accessory Signal Harness 2B to Accessory Signal Harness 3B (AYE)





Connector Part Information

Harness Type: Accessory Signal Harness 2B
OEM Connector: Not Available F
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 6-Way F (BU with BK case)

Connector Part Information

Harness Type: Accessory Signal Harness 3B
OEM Connector: Not Available M
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M 6-Way M (BU with BK case)

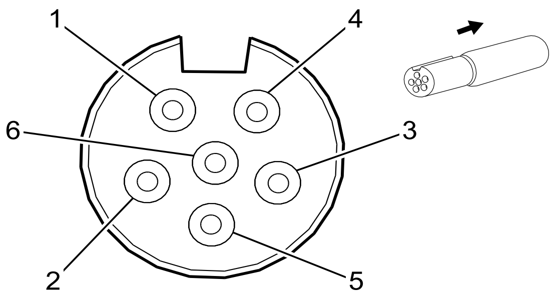
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X372 Accessory Signal Harness 2B to Accessory Signal Harness 3B (AYE)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	RD	—	I	—	I2C Data	1	—	RD	—	II	—
2	—	BK	—	I	—	I2C Clock Signal	2	—	BK	—	II	—
3	—	WH	—	I	—	Left Audio Signal A (+)	3	—	WH	—	II	—
4	—	RD	—	I	—	Right Audio Signal A (+)	4	—	RD	—	II	—
5	—	YE	—	I	—	DVD Video Signal A (+)	5	—	YE	—	II	—
6	—	BK	—	I	—	Audio/Video Common A (-)	6	—	BK	—	II	—

X373 Accessory Signal Harness 2A to Accessory Signal Harness 3A (AYE)



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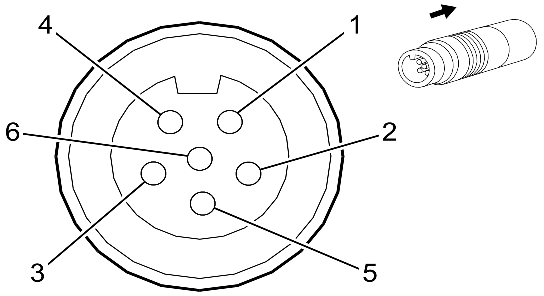


2334192

Connector Part Information

Harness Type: Accessory Signal Harness 2A
OEM Connector: Not Available F
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F

Connector Part Information

Harness Type: Accessory Signal Harness 3A
OEM Connector: Not Available M
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M

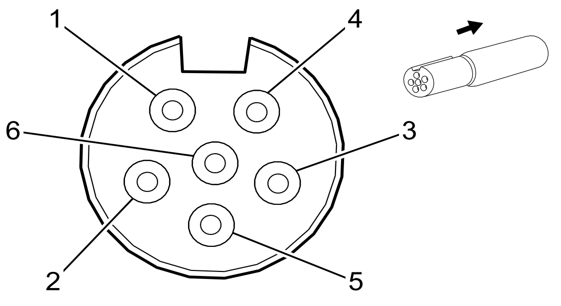
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X373 Accessory Signal Harness 2A to Accessory Signal Harness 3A (AYE)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	RD	—	I	—	I2C Data	1	—	RD	—	II	—
2	—	BK	—	I	—	I2C Clock Signal	2	—	BK	—	II	—
3	—	WH	—	I	—	Left Audio Signal A (+)	3	—	WH	—	II	—
4	—	RD	—	I	—	Right Audio Signal A (+)	4	—	RD	—	II	—
5	—	YE	—	I	—	DVD Video Signal A (+)	5	—	YE	—	II	—
6	—	BK	—	I	—	Audio/Video Common A (-)	6	—	BK	—	II	—

X374 Accessory Signal Harness 1B to Accessory Signal Harness 3B (AYE)



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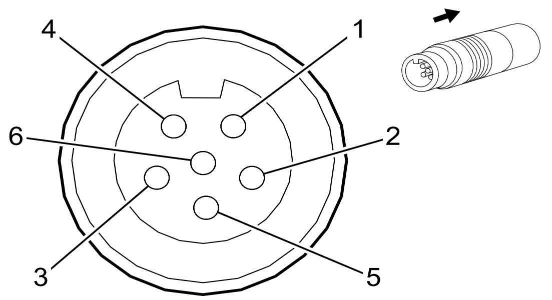


2334192

Connector Part Information

Harness Type: Accessory Signal Harness 1B
OEM Connector: Not Available F
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F

Connector Part Information

Harness Type: Accessory Signal Harness 3B
OEM Connector: Not Available M
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M

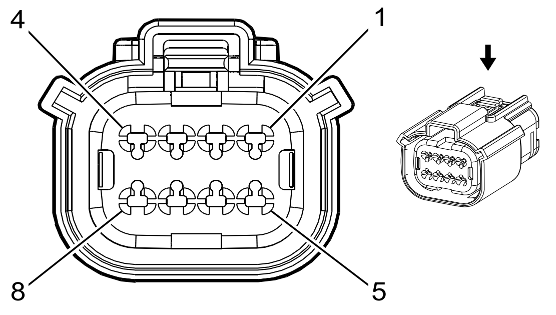
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X374 Accessory Signal Harness 1B to Accessory Signal Harness 3B (AYE)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	RD	—	I	—	Ignition Voltage	1	—	RD	—	II	—
2	—	BK	—	I	—	Ground	2	—	BK	—	II	—
3	—	WH	—	I	—	Left Audio Signal B (+)	3	—	WH	—	II	—
4	—	RD	—	I	—	Right Audio Signal B (+)	4	—	RD	—	II	—
5	—	YE	—	I	—	DVD Video Signal B (+)	5	—	YE	—	II	—
6	—	BK	—	I	—	Audio/Video Common B (-)	6	—	BK	—	II	—

X378 Body Harness to Right Rear Seat Harness



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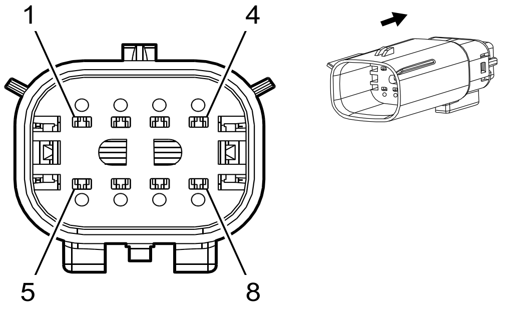


2667653

Connector Part Information

Harness Type: Body
OEM Connector: 13654393
Service Connector: 13577527
Description: 8-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Right Rear Seat
OEM Connector: 33482-0801
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way M 150 MX Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

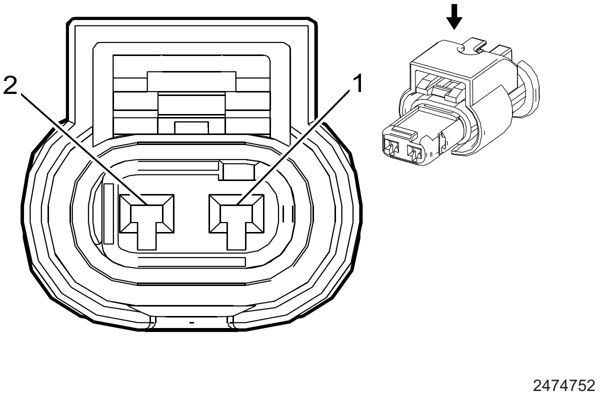
X378 Body Harness to Right Rear Seat Harness

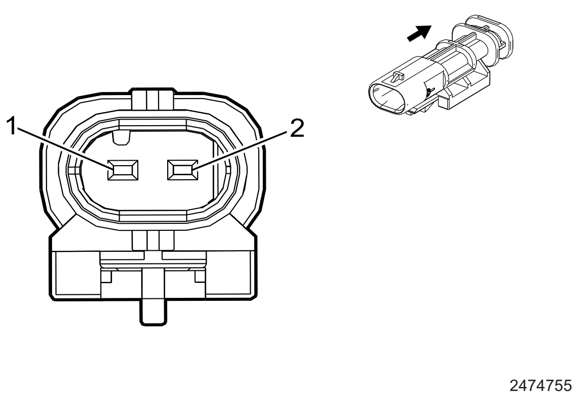
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	RD/ BU	1240	I	—	Battery Positive Voltage	1	0.75	RD/ BU	1240	II	—
2	0.75	GN/ BK	2297	I	—	Right Rear Heated Seat Cushion Element Low Reference	2	0.75	GN/ BK	2297	II	—
3	0.75	GN/ BN	2296	I	—	Right Rear Heated Seat Cushion Element Control	3	0.75	GN/ BN	2296	II	—
4	0.5	BU/ GN	2300	I	—	Right Rear Heated Seat Sensor Signal	4	0.5	BU/ GN	2300	II	—
5	0.5	BK/ GY	2301	I	—	Right Rear Heated Seat Sensor Low Reference	5	0.5	BK/ GY	2301	II	—
6	0.5	BN/ WH	6809	I	—	Right Rear Seat Fold Tumble Control	6	0.5	BN/ WH	6809	II	—

X378 Body Harness to Right Rear Seat Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	—	—	—	—	—	Not Occupied	7	—	—	—	—	—
8	0.75	BK	1250	I	—	Ground	8	0.75	BK	1250	II	—

X380 Body Harness to Driver Roof Rail Airbag Jumper Harness





Connector Part Information

Harness Type: Body
OEM Connector: 13863037
Service Connector: 13587886
Description: 2-Way F 1.2 MCP Series, Sealed (YE)

Connector Part Information

Harness Type: Driver Roof Rail Airbag Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M

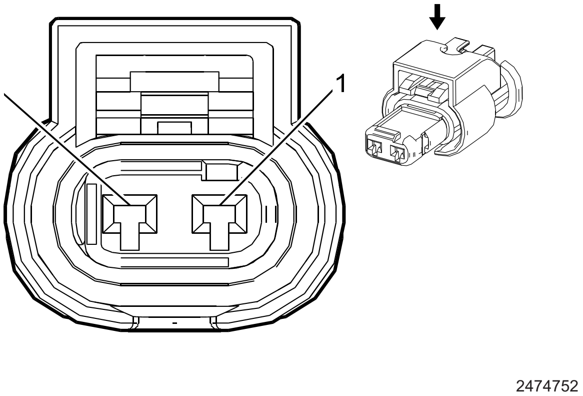
Terminal Part Information

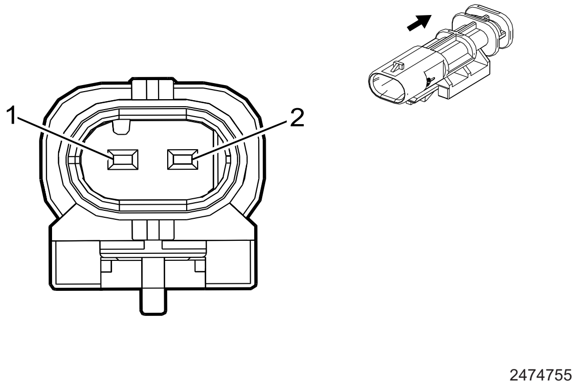
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-17 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X380 Body Harness to Driver Roof Rail Airbag Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	OG/ GN	5019	I	—	Left Front Head Curtain Module High Control	1	0.35	OG/ GN	5019	II	—
2	0.35	VT/ OG	5020	I	—	Left Front Head Curtain Module Low Control	2	0.35	VT/ OG	5020	II	—

X390 Body Harness to Right Roof Rail Jumper Harness





Connector Part Information

Harness Type: Body
OEM Connector: 13863037
Service Connector: 13587886
Description: 2-Way F 1.2 MCP Series, Sealed (YE)

Connector Part Information

Harness Type: Right Roof Rail Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M

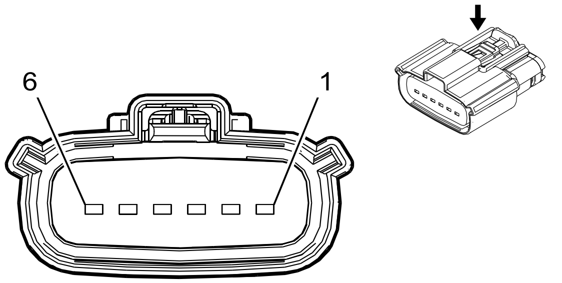
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-17 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X390 Body Harness to Right Roof Rail Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	OG/ GY	5021	I	—	Right Front Head Curtain Module High Control	1	0.35	OG/ GY	5021	II	—
2	0.35	WH/ OG	5022	I	—	Right Front Head Curtain Module Low Control	2	0.35	WH/ OG	5022	II	—

X410 Left Tail Lamp Jumper Harness to Chassis Harness



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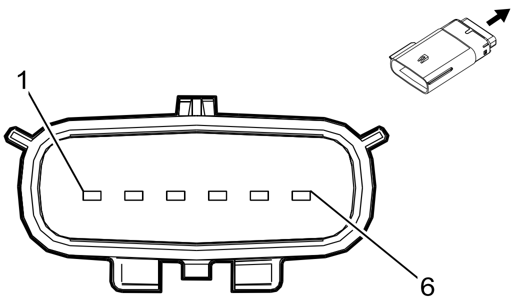


3277908

Connector Part Information

Harness Type: Left Tail Lamp Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F

Connector Part Information

Harness Type: Chassis
OEM Connector: 15456940
Service Connector: 19303225
Description: 6-Way M 1.5 MX Series, Sealed (BK)

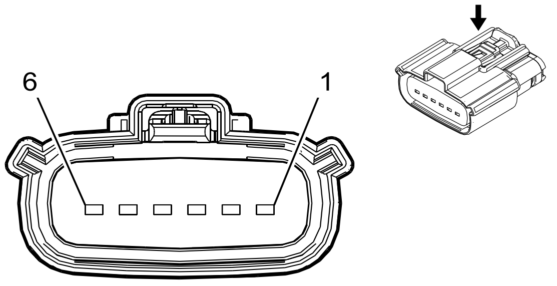
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X410 Left Tail Lamp Jumper Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	GN	24	I	—	Backup Lamp Control	1	0.5	GN	24	II	—
2	0.5	YE/GN	18	I	—	Left Rear Stop/Turn Lamp Control	2	0.5	YE/GN	18	II	—
3	0.5	YE/BK	5356	I	—	Left Tail Lamp Outage Detection Signal	3	0.5	YE/BK	5356	II	—
4	0.75	GY/YE	7542	I	—	Left Rear Stop Lamp Control	4	0.75	GY/YE	7542	II	—
5	0.5	VT/GY	709	I	—	Left Park Lamp Control	5	0.5	VT/GY	709	II	—
6	1	BK	1750	I	—	Ground	6	1	BK	1750	II	—

X420 Right Tail Lamp Jumper Harness to Chassis Harness



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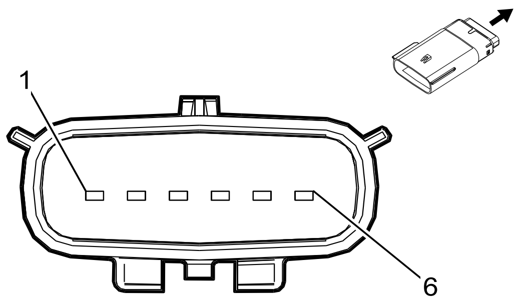


3277908

Connector Part Information

Harness Type: Right Tail Lamp Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F

Connector Part Information

Harness Type: Chassis
OEM Connector: 15456940
Service Connector: 19303225
Description: 6-Way M 1.5 MX Series, Sealed (BK)

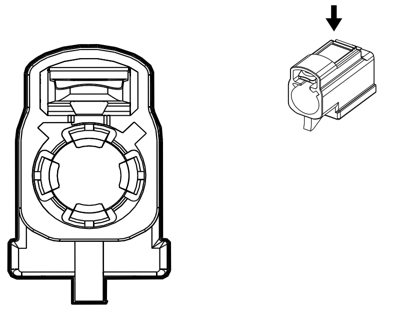
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X420 Right Tail Lamp Jumper Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	GN	24	I	—	Backup Lamp Control	1	0.5	GN	24	II	—
2	0.5	BN/GN	19	I	—	Right Rear Stop/Turn Lamp Control	2	0.5	BN/GN	19	II	—
3	0.5	VT/YE	5357	I	—	Right Tail Lamp Outage Detection Signal	3	0.5	VT/YE	5357	II	—
4	0.75	WH/YE	7541	I	—	Right Rear Stop Lamp Control	4	0.75	WH/YE	7541	II	—
5	0.5	GY/BN	309	I	—	Right Park Lamp Control	5	0.5	GY/BN	309	II	—
6	0.75	BK	2150	I	—	Ground	6	0.75	BK	2150	II	—

X421 Headliner Harness COAX to Antenna Jumper Harness COAX



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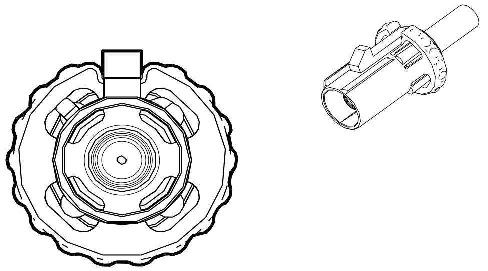


4109605

Connector Part Information

Harness Type: Antenna Jumper COAX
OEM Connector: 13581683
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type

Connector Part Information

Harness Type: Headliner COAX
OEM Connector: 13581673
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way M Coax Type (BK)

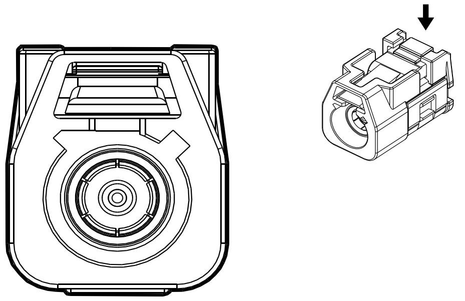
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X421 Headliner Harness COAX to Antenna Jumper Harness COAX

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(AM/FM) Antenna RF Signal	—	—	Coax	—	I	—

X423 Headliner Coax Harness to Headliner Jumper COAX Harness (DRZ-SWB)



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3530700

Connector Part Information

Harness Type: Headliner Coax
OEM Connector: 5-2138895-1
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

Connector Part Information

Harness Type: Headliner Jumper COAX
OEM Connector: Not Available
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way M

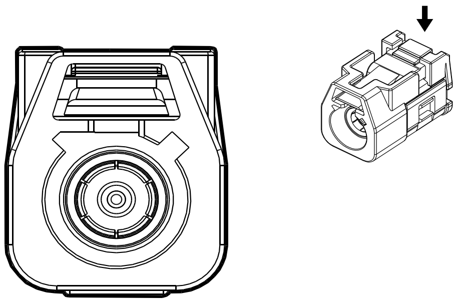
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

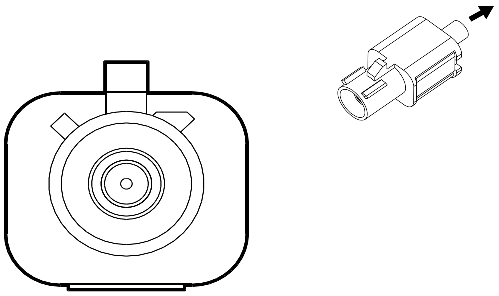
X423 Headliner Coax Harness to Headliner Jumper COAX Harness (DRZ-SWB)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(ISRVM) Camera Video Signal	—	—	Coax	—	I	—

X424 Liftgate Jumper Harness Coax to Liftgate Harness Coax (DRZ)



3530700



4496217

Connector Part Information

- Harness Type: Liftgate COAX
- OEM Connector: 5-2138895-1
- Service Connector: Service by Cable Assembly — See Part Catalog
- Description: 1-Way F Coax Type (BK)

Connector Part Information

- Harness Type: Liftgate COAX
- OEM Connector: 13594293
- Service Connector: Service by Cable Assembly — See Part Catalog
- Description: 1-Way M Coax Type (BK)

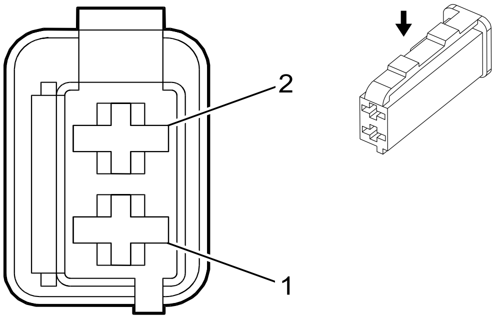
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X424 Liftgate Jumper Harness Coax to Liftgate Harness Coax (DRZ)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(ISRVM) Camera Video Signal	—	—	Coax	—	I	—

X485 Center High Mount Stop Lamp Jumper Harness to Body Harness



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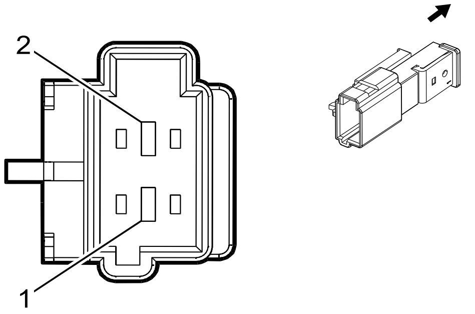


2339581

Connector Part Information

Harness Type: Center High Mount Stop Lamp Jumper
OEM Connector: 13670097
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

Connector Part Information

Harness Type: Body
OEM Connector: 13662506
Service Connector: 13574780
Description: 2-Way M 1.6 Timer Series (BK)

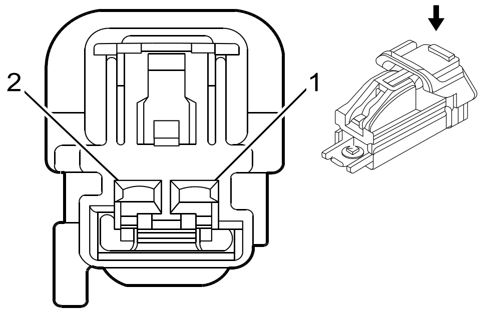
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-34 (YE)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X485 Center High Mount Stop Lamp Jumper Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	VT/ WH	5065	I	—	Stop Lamp Relay Coil Control Stop Lamp Relay Coil Control	1	0.5	VT/ WH	5065	II	—
2	0.5	BK	1450	I	—	Ground	2	1	BK	1450	II	—

X486 Body Harness to Dome Lamp Jumper Harness



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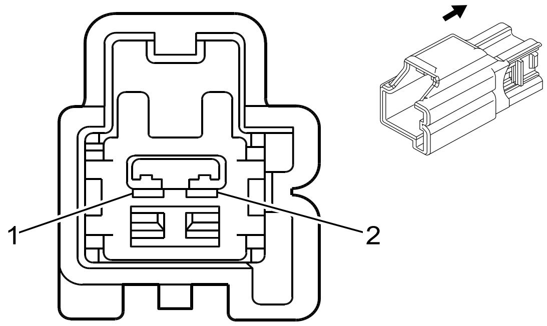


1853532

Connector Part Information

Harness Type: Body
OEM Connector: 10846794
Service Connector: 88988504
Description: 2-Way F 1.5 YESC Series (L-GY)

Connector Part Information

Harness Type: Dome Lamp Jumper
OEM Connector: 10846798
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.5 Series (L-GY)

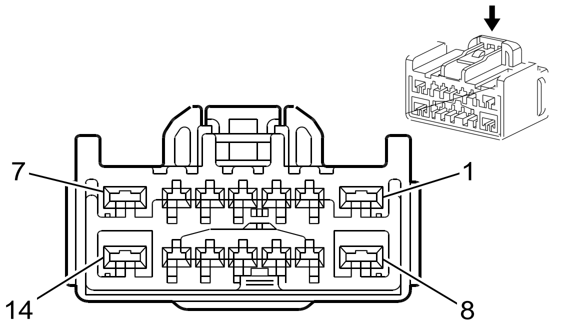
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X486 Body Harness to Dome Lamp Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	GY	157	I	—	Interior Lamp Control	1	0.5	GY	157	II	—
2	1	BK	1450	I	—	Ground	2	0.5	BK	1450	II	—

X487 Body Harness to Auxiliary HVAC Jumper Harness



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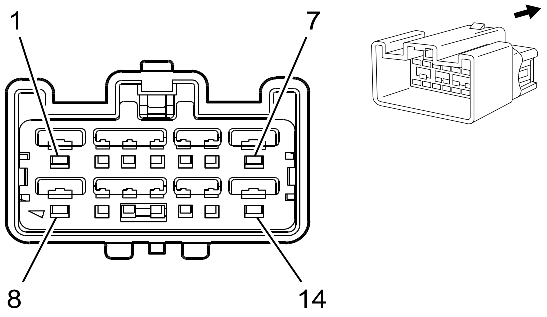


1283905

Connector Part Information

Harness Type: Body
OEM Connector: 10847017
Service Connector: 88956524
Description: 14-Way F 1.5, 2.8 Series (L-GY)

Connector Part Information

Harness Type: Auxiliary HVAC Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 14-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575838	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	13575839	J-35616-35 (VT)	J-38125-11A	7116-4112-02	Yazaki 9	C	D
III	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
IV	Not Required		No Tool Required	Not Required	Not Required	Not Required	Not Required

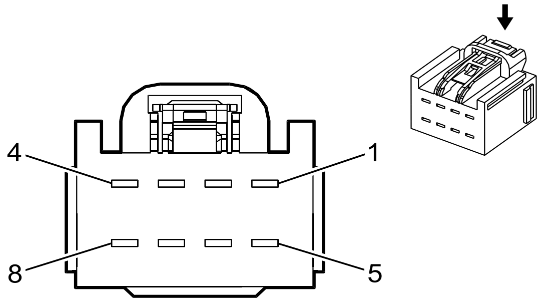
X487 Body Harness to Auxiliary HVAC Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/GY	1740	II	—	Battery Positive Voltage	1	2.5	RD/GY	1740	IV	—
2	0.35	GN/WH	5729	III	—	Rear Mode Motor Control	2	0.35	GN/WH	5729	IV	—
3	0.35	BK/GN	5730	III	—	Rear Mode Motor Low Reference	3	0.35	BK/GN	5730	IV	—
4	0.35	GY/RD	598	III	—	5V Reference	4	0.35	GY/RD	598	IV	—
5	0.35	GY	2599	III	—	Rear Mode Motor Signal	5	0.35	GY	2599	IV	—
6	0.35	WH/BN	2775	III	—	Rear Air Temperature Motor Control	6	0.35	WH/BN	2775	IV	—
7	0.35	BN	404	I	—	Upper Air Temperature Sensor Signal	7	0.35	BN	404	IV	—

X487 Body Harness to Auxiliary HVAC Jumper Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	—	—	—	—	—	Not Occupied	8	—	—	—	—	—
9	0.35	GN/ BK	2211	III	—	Rear Blower Motor Speed Control	9	0.35	GN/ BK	2211	IV	—
10	0.35	BN/ BK	405	III	—	Lower Air Temperature Sensor Signal	10	0.35	BN/ BK	405	IV	—
11	0.35	BK/ YE	407	III	—	Sensor Low Reference	11	0.35	BK/ YE	407	IV	—
12	0.35	GY/ BU	2145	III	—	Passenger Air Temperature Switch Signal	12	0.35	GY/ BU	2145	IV	—
13	0.35	GY	2614	III	—	Rear Air Temperature Door Control	13	0.35	GY	2614	IV	—
14	—	—	—	—	—	Not Occupied	14	—	—	—	—	—

X490 Body Harness to Body Harness



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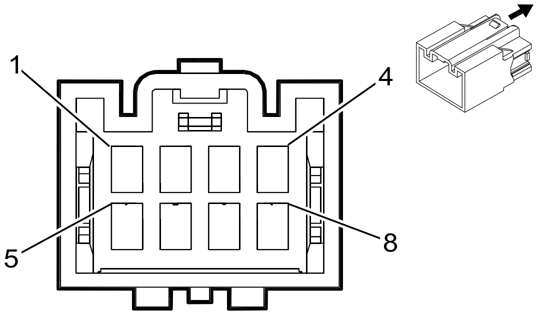


3277920

Connector Part Information

Harness Type: Body
OEM Connector: 10847011
Service Connector: 19367558
Description: 8-Way F 2.8 Series (L-GY)

Connector Part Information

Harness Type: Body
OEM Connector: 13506919
Service Connector: 19367563
Description: 8-Way M 2.8 YESC Series (L-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

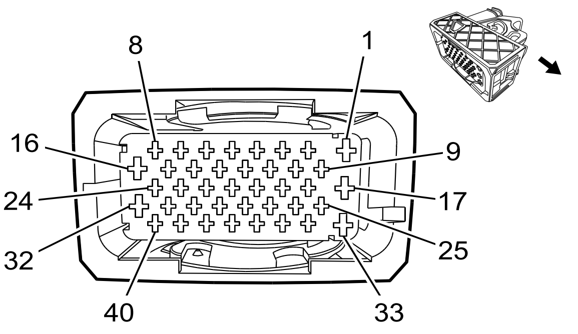
X490 Body Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	BN/VT	293	I	—	Rear Defog Element Control	1	2.5	BN/VT	293	III	—
2	0.5	BU/WH	6128	I	—	Rear Closure Unlatch Motor Unlatch Control	2	0.5	BU/WH	6128	III	—
3	0.5	BU/YE	6795	II	—	Lift Glass/Rear Compartment Lid Motor Release Control 2 Lift Glass/Rear Compartment Lid Motor Release Control 2	3	0.5	BU/YE	6795	III	—
4	2.5	RD/GY	1740	I	—	Battery Positive Voltage	4	2.5	RD/GY	1740	III	—

X490 Body Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
5	0.5	RD/BU	840	II	—	Battery Positive Voltage Battery Positive Voltage	5	0.5	RD/BU	840	III	—
6	3	RD/GY	7040	II	—	Battery Positive Voltage	6	3	RD/GY	7040	III	—
7	0.75	RD/YE	3040	I	—	Battery Positive Voltage Battery Positive Voltage	7	0.75	RD/YE	3040	III	—
8	1.5	RD/BU	6040	II	—	Battery Positive Voltage	8	1.5	RD/BU	6040	III	—

X495 Body Harness to Rear Fascia Harness



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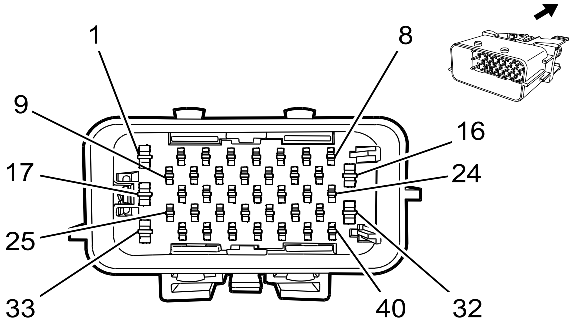


2339640

Connector Part Information

Harness Type: Body
OEM Connector: 13603185
Service Connector: 13576549
Description: 40-Way F 1.5, 2.8 Series, Sealed (BK)

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 13603208
Service Connector: Service by Harness - See Part Catalog
Description: 40-Way M 1.5 DSQ, 2.8 ATS Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575429	J-35616-14 (GN)	J-38125-560	60000641	AFL 21	2	5
II	13575429	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
III	13576369	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	13580830	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	19353105	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	Not Required	J-35616-34 (YE)	No Tool Required	Not Required	Not Required	Not Required	Not Required
VII	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X495 Body Harness to Rear Fascia Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5 0.5	BN/WH BN/WH	2374 2374	V IV	— —	Object Sensor Control Object Sensor Control	1	0.75	BN/WH	2374	VII	—
2	0.5	YE	2375	III	—	Left Rear Corner Object Sensor Signal	2	0.5	YE	2375	VI	—

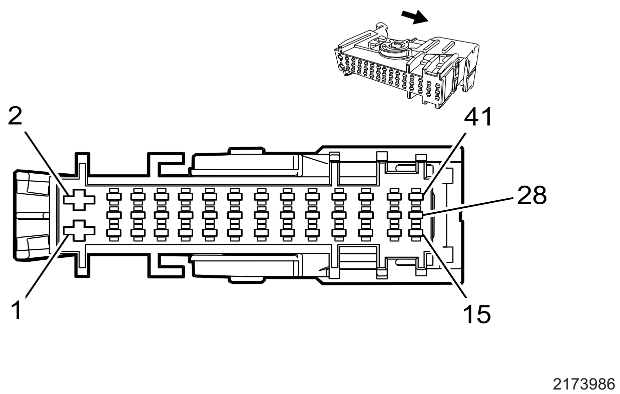
X495 Body Harness to Rear Fascia Harness (cont'd)

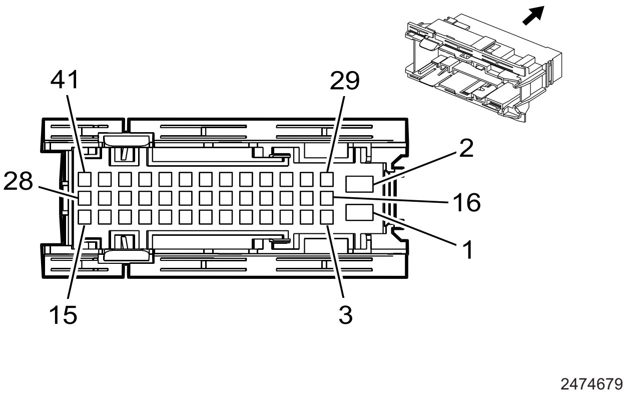
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
3	0.5	YE/ BU	2376	III	—	Left Rear Middle Object Sensor Signal	3	0.5	YE/ BU	2376	VI	—
4	0.5	YE/ VT	2378	III	—	Right Rear Corner Object Sensor Signal	4	0.5	YE/ VT	2378	VI	—
5	0.5	YE/ WH	2377	III	—	Right Rear Middle Object Sensor Signal	5	0.5	YE/ WH	2377	VI	—
6	0.5	BK/ GY	2379	III	—	Object Sensor Low Reference	6	0.5	BK/ GY	2379	VI	—
7	0.5	GN	3156	III	—	Left Rear Supplemental Object Sensor Signal	7	0.5	GN	3156	VI	—
8	1	BK	1450	I	—	Ground Ground	8	0.5	BK	1450	VI	—
9	0.35	BN/ VT	3809	III	—	Front Object Sensor Control 1	9	0.5	BN/ VT	3809	VI	—
10	—	—	—	—	—	Not Occupied	10	—	—	—	—	—
11	0.5	BU/ VT	3813	III	—	High Speed GMLAN Serial Data (+) 4	11	0.5	BU/ VT	3813	VI	—
12	0.5	WH	3811	III	—	High Speed GMLAN Serial Data (-) 4	12	0.5	WH	3811	VI	—
13	0.5	BN/ GN	3568	III	—	Passive Entry Rear Closure Antenna Signal Hi	13	0.5	BN/ GN	3568	VI	—
14	0.5	GN/ GY	3569	III	—	Passive Entry Rear Closure Antenna Signal Lo	14	0.5	GN/ GY	3569	VI	—
15	0.35	GY/ YE	5853	III	—	Driver Side Object Detection LED Signal 1	15	0.5	GY/ YE	5853	VI	—
16	0.35 0.35	GY GY	5861 5861	V IV	— —	Passenger Side Object Detection LED Signal 1 Passenger Side Object Detection LED Signal 1	16	0.75	GY	5861	VII	—

X495 Body Harness to Rear Fascia Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
17	0.5	GN	5060	IV	—	Low Speed GMLAN Serial Data	17	0.75	GN	5060	VII	—
18	0.5	GN/ BN	4118	III	—	Local Inter-connect Network Serial Data Bus 18	18	0.5	GN/ BN	4118	VI	—
19	0.5	BU/ VT	3813	III	—	High Speed GMLAN Serial Data (+) 4	19	0.5	BU/ VT	3813	VI	—
20	0.5	WH	3811	III	—	High Speed GMLAN Serial Data (-) 4	20	0.5	WH	3811	VI	—
21	0.5	BU	3157	III	—	Right Rear Supplemental Object Sensor Signal	21	0.5	BU	3157	VI	—
22	0.75	RD/ GN	3140	II	—	Battery Positive Voltage	22	0.5	RD/ GN	3140	VI	—
23	0.5	YE/ GY	122	III	—	Rear Fog Lamp Control	23	0.5	YE/ GY	122	VI	—
24 - 40	—	—	—	—	—	Not Occupied	24 - 40	—	—	—	—	—

X500 Driver Door Harness to Body Harness





Connector Part Information

Harness Type: Driver Door
OEM Connector: 13600509
Service Connector: Service by Harness - See Part Catalog
Description: 41-Way F 4.8 Timer, 1.5 DSQ Series

Connector Part Information

Harness Type: Body
OEM Connector: 13946876
Service Connector: 13587760
Description: 41-Way M 1.5, 2.8 Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	13575556	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	13575593	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	E	2
V	13575706	J-35616-32 (OR)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	13575775	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VII	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	E	2
VIII	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	E	C
IX	13582220	J-35616-32 (OR)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X500 Driver Door Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/ BU	1842	II	—	Battery Positive Voltage	1	2.5	RD/ BU	1842	IX	—
2	2.5	BK	1150	II	—	Ground	2	4	BK	1150	V	—
3	0.5	GY/ WH	5996	I	—	Driver Outside Rear View Mirror Puddle Lamp Control	3	0.5	GY/ GN	5996	VII	—

X500 Driver Door Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
4	0.5 0.35	WH/RD BK/WH	3398 2551	I I	DL3/DL8/DPN/DQS/DR4-A45/SXL UVH	Passenger Mirror Motor Common Control Signal Ground	4	0.5 0.35	WH BK/WH	3398 2551	VII VI	DL3/DL8/DPN/DQS/DR4-A45/SXL UVH
5	0.35	OG/WH	1690	I	—	Automatic Day/Night Mirror Signal	5	0.35	YE/WH	1690	VI	—
6	0.35	BK/YE	1691	I	—	Automatic Day/Night Mirror Low Reference	6	0.35	BK/YE	1691	VI	—
7	0.5 0.35	WH/GN BU/GN	3412 614	I I	(A45+DL3)/(DQS/DR4) A45+ULT	Driver Mirror Motor Fold In Control Memory Seat Switch Set Signal	7	0.5 0.35	WH/GN BU/GN	3412 614	VII VI	DL3/DL8/DPN/DQS/DR4-A45 A45+ULT
8	0.5 0.35	GY/WH WH	3411 615	I I	(A45+DL3)/(DQS/DR4) A45+ULT	Driver Mirror Motor Fold Out Control Memory Seat Switch Signal 1	8	0.5 0.35	GY/WH WH	3411 615	VII VI	DL3/DL8/DPN/DQS/DR4-A45 A45+ULT
9	0.75	YE/GY	1956	I	—	Left Front Tweeter Speaker (-) Low Reference	9	0.75	YE/GY	1956	VIII	—
10	1	BU	201	I	—	Left Front Speaker Control (+) 1 Left Front Speaker Control (+) 1	10	0.75 1	BU BU	201 201	VIII III	UQ3/UQ5+WX7 UQG/(UQA+D09)/UQA+AZ3)
11	0.5	WH/BN	6201	I	—	Camera Control	11	0.5	WH/BN	6201	VII	—
12	0.35	WH/GN	2628	I	—	Left Side Vision Camera Video Signal (+)	12	0.35	WH/GN	2628	VI	—
13	0.35	GY/GN	2625	I	—	Left Side Vision Camera Video Signal (-)	13	0.35	GY/GN	2625	VI	—
14	0.5	OG/GN	2132	I	—	Left Front Side Impact Sensing Module Signal	14	0.35	OG/GN	2132	VI	—
15	0.5	BK/OG	6628	I	—	Left Front Side Impact Sensing Module Low Reference	15	0.35	BK/OG	6628	VI	—

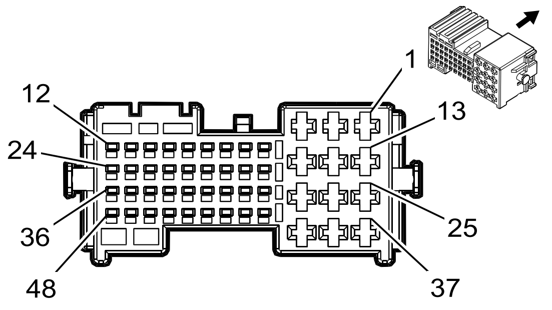
X500 Driver Door Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
16	0.35	WH	6816	I	—	Indicator Dimming Control Indicator Dimming Control	16	0.5 0.35	WH WH	6816 6816	VII VI	-Z75 Z75
17	0.35	BN/ WH	781	I	—	Driver Door Lock Switch Unlock Signal	17	0.35	BN/ WH	781	VI	—
18	0.35	BN/ YE	780	I	—	Driver Door Lock Switch Lock Signal	18	0.35	BN/ YE	780	VI	—
19	0.75	BN/ BK	294	I	—	Door Lock Actuator Unlock Control	19	0.75	BN/ YE	294	VIII	—
20	0.75	GY	5911	I	—	Door Lock Actuator Lock Control 2	20	0.75	GY	5911	VIII	—
21	0.35	BK/ BU	5978	I	—	Memory Switch Low Reference	21	0.35	BK/ BU	5978	VI	—
22	0.75	YE/ BU	1856	I	—	Left Front Tweeter Speaker Control (+)	22	0.75	YE/ BU	1856	VIII	—
23	1	BN/ BU	118	I	—	Left Front Speaker Signal (-) 1 Left Front Speaker Signal (-) 1	23	0.75 1	BN/ BU BN/ BU	118 118	VIII III	UQ3/UQ5 +WX7 UQG/(UQA +D09)/UQA +AZ3)
24	0.35	WH/ YE	3574	I	—	Driver Door Open Switch Signal	24	0.35	WH/ YE	3574	VI	—
25	0.35	GN/ WH	3570	I	—	Driver Door Handle Switch Signal	25	0.35	GN/ WH	3570	VI	—
26	0.5	Bare	2624	I	—	Left Side Vision Camera Video Drain Wire	26	0.35	Bare	2624	VI	—
27	0.35	VT/ GY	3561	I	—	Passive Entry Driver Door Antenna Signal Lo	27	0.35	VT/ GY	3561	VI	—
28	0.35	VT	3560	I	—	Passive Entry Driver Door Antenna Signal Hi	28	0.35	VT	3560	VI	—
29	0.35	YE	6817	I	—	LED Backlight Dimming Control	29	0.35	YE	6817	VI	—

X500 Driver Door Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
30	0.35	WH/YE	7557	I	—	LED Ambient Lighting Control 1	30	0.35	WH/YE	7557	VI	—
31	0.5	BN/OG	2267	I	—	Mirror Heating Element Control	31	0.5	BN/YE	2267	IV	—
32	0.35	GY	5697	I	—	Child Lockout Indicator Control	32	0.35	GY	5697	VI	—
33	0.5	GN/YE	6134	I	—	Local Interconnect Network Serial Data Bus 3	33	0.5	GN/YE	6134	VII	—
34	0.5	GN/WH	7530	I	—	Local Interconnect Network Serial Data Bus 8	34	0.5	GN/WH	7530	VII	—
35	0.35	BN/RD	3265	I	—	Child Security Lock Switch Signal	35	0.35	YE/BN	3265	VI	—
36	0.5	GN/BK	3396	I	—	Passenger Mirror Motor Right (+) Left (-) Control	36	0.5	GN/BK	3396	VII	—
37	0.35	GY/YE	5853	I	—	Driver Side Object Detection LED Signal 1	37	0.35	GY/YE	5853	VI	—
38	0.5	YE/VT	3397	I	—	Passenger Mirror Motor Up (+) Down (-) Control	38	0.5	YE/VT	3397	VII	—
39	0.75	BN	5910	I	—	Door Double Lock Actuator Lock Control	39	0.75	BN	5910	VIII	—
40	0.5	RD/VT	1940	I	—	Battery Positive Voltage	40	0.5	RD/VT	1940	VII	—
41	0.5	BU/WH	1314	I	—	Left Front Turn Signal Lamp Control	41	0.75	BU/WH	1314	VIII	—

X505 Driver Door Harness to Driver Door Trim Harness



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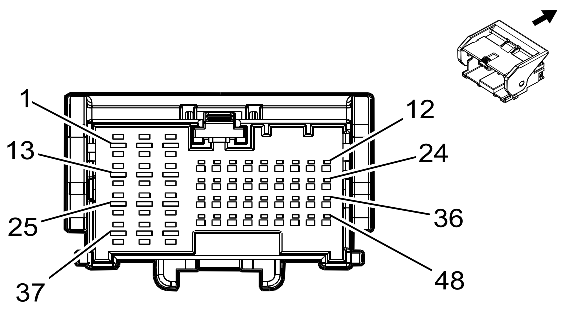


3277901

Connector Part Information

Harness Type: Driver Door
OEM Connector: 13889713
Service Connector: Service by Harness - See Part Catalog
Description: 48-Way F 1.2 MCON, 2.8 MCP Series

Connector Part Information

Harness Type: Driver Door Trim
OEM Connector: 15512031
Service Connector: Service by Harness - See Part Catalog
Description: 48-Way M 1.2 MCON, 2.8 MCP Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
IV	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X505 Driver Door Harness to Driver Door Trim Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	YE	6817	II	—	LED Backlight Dimming Control	1	0.35	YE	6817	IV	—
2	0.35	WH/ YE	7557	II	—	LED Ambient Lighting Control 1	2	0.35	WH/ YE	7557	IV	—
3	0.35	WH	6816	II	—	Indicator Dimming Control	3	0.35	WH	6816	IV	—
4	—	—	—	—	—	Not Occupied	4	—	—	—	—	—
5	0.5	BN/ BK	3389	I	—	Driver Mirror Motor Right (+) Left (-) Control	5	0.75	BN/ BK	3389	III	—
6	0.5	VT/ BU	3390	I	—	Driver Mirror Motor Up (+) Down (-) Control	6	0.75	VT/ BU	3390	III	—

X505 Driver Door Harness to Driver Door Trim Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.5	YE/ BN	3391	I	—	Driver Mirror Motor Common Control	7	0.75	YE/ BN	3391	III	—
8	0.5	GY/ WH	3411	I	—	Driver Mirror Motor Fold Out Control	8	0.75	GY/ WH	3411	III	—
9	0.5	WH/ GN	3412	I	—	Driver Mirror Motor Fold In Control	9	0.75	WH/ GN	3412	III	—
10	0.35	GY/ BN	3394	I	—	Driver Mirror Position Sensor Up (+) Down (-) Signal	10	0.35	GY/ BN	3394	III	—
11	0.5	BN/ BK	3389	I	—	Driver Mirror Motor Right (+) Left (-) Control	11	0.75	BN/ BK	3389	III	—
12	0.35	VT/ RD	3392	I	—	Driver Mirror Position Sensor 5V Reference	12	0.35	VT/ RD	3392	III	—
13	0.35	WH/ YE	3395	II	—	Driver Mirror Position Sensor Left (-) Right (+) Signal	13	0.35	WH/ YE	3395	IV	—
14	0.35	BK/ BN	3393	II	—	Driver Mirror Position Sensor Low Reference	14	0.35	BK/ BN	3393	IV	—
15 - 16	—	—	—	—	—	Not Occupied	15 - 16	—	—	—	—	—
17	0.5	BK	1150	I	—	Ground	17	0.35	BK	1150	III	—
18 - 19	—	—	—	—	—	Not Occupied	18 - 19	—	—	—	—	—
20	0.75	YE/ BU	1856	I	—	Left Front Tweeter Speaker Control (+)	20	0.75	YE/ BU	1856	III	—
21	0.75	YE/ GY	1956	I	—	Left Front Tweeter Speaker (-) Low Reference	21	0.75	YE/ GY	1956	III	—
22	0.5	RD/ VT	1940	I	—	Battery Positive Voltage	22	0.5	RD/ VT	1940	III	—
23	0.75	BK	1150	I	—	Ground	23	0.75	BK	1150	III	—
24	—	—	—	—	—	Not Occupied	24	—	—	—	—	—
25	0.5	GY/ WH	3411	II	—	Driver Mirror Motor Fold Out Control	25	0.75	GY/ WH	3411	IV	—
26	0.5	WH/ GN	3412	II	—	Driver Mirror Motor Fold In Control	26	0.75	WH/ GN	3412	IV	—

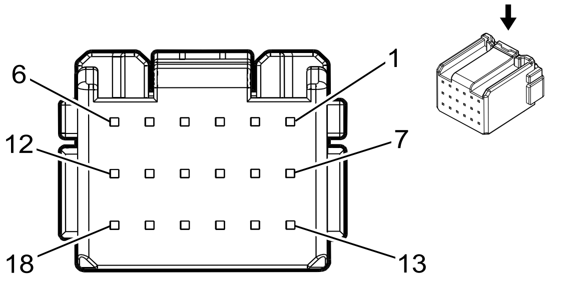
X505 Driver Door Harness to Driver Door Trim Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
27 - 28	—	—	—	—	—	Not Occupied	27 - 28	—	—	—	—	—
29	0.35	GY	1136	I	—	Power Window Master Switch Left Front Down Signal	29	0.35	GY/ BK	1136	III	—
30	0.35	GN/ WH	1300	I	—	Power Window Master Switch Left Front Up Signal	30	0.35	GN/ WH	1300	III	—
31	0.35	GN/ VT	7628	I	—	Power Window Motor Left Front Express Control	31	0.35	GN/ VT	7628	III	—
32	0.35	BK/ BU	5978	I	—	Memory Switch Low Reference	32	0.35	BK/ BU	5978	III	—
33	0.35	BU/ GN	614	I	—	Memory Seat Switch Set Signal	33	0.35	BU/ GN	614	III	—
34	0.35	WH	615	I	—	Memory Seat Switch Signal 1	34	0.35	WH	615	III	—
35	—	—	—	—	—	Not Occupied	35	—	—	—	—	—
36	0.5	GN/ YE	6134	I	—	Local Interconnect Network Serial Data Bus 3	36	0.5	GN/ YE	6134	III	—
37	0.5	GN/ WH	7530	II	—	Local Interconnect Network Serial Data Bus 8	37	0.5	GN/ WH	7530	IV	—
38	1	BN/ BU	118	II	—	Left Front Speaker Signal (-) 1	38	0.75	BU	201	IV	—
39	1	BU	201	II	—	Left Front Speaker Control (+) 1	39	0.75	BN/ BU	118	IV	—
40	0.35	BN/ RD	3265	I	—	Child Security Lock Switch Signal	40	0.35	YE/ BN	3265	III	—
41	0.35	WH/ VT	3270	I	—	Driver Door Lock Motor Status Signal	41	0.35	WH/ VT	3270	III	—
42	0.5	GN/ BK	3396	I	—	Passenger Mirror Motor Right (+) Left (-) Control	42	0.75	GN/ BK	3396	III	—

X505 Driver Door Harness to Driver Door Trim Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
43	0.5	YE/VT	3397	I	—	Passenger Mirror Motor Up (+) Down (-) Control	43	0.75	YE/VT	3397	III	—
44	0.5	WH/RD	3398	I	—	Passenger Mirror Motor Common Control	44	0.75	WH	3398	III	—
45	0.35	GY	5697	I	—	Child Lockout Indicator Control	45	0.35	GY	5697	III	—
46	0.35	BU/VT	1124	I	—	Door Lock Key Switch Unlock Signal	46	0.35	BU/VT	1124	III	—
47	0.35	BN/WH	781	I	—	Driver Door Lock Switch Unlock Signal	47	0.35	BN/WH	781	III	—
48	0.35	BN/YE	780	I	—	Driver Door Lock Switch Lock Signal	48	0.35	BN/YE	780	III	—

X510 Outside Rearview Mirror Harness to Driver Door Harness



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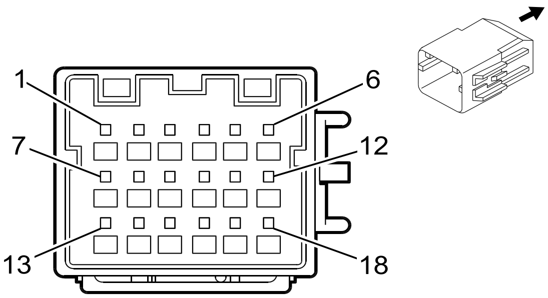

2907751

Connector Part Information

Harness Type: Outside Rearview Mirror
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 18-Way F

Connector Part Information

Harness Type: Driver Door
OEM Connector: 13888973
Service Connector: Service by Harness - See Part Catalog
Description: 18-Way M 0.64 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X510 Outside Rearview Mirror Harness to Driver Door Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	GY/ WH	5996	I	—	Driver Outside Rear View Mirror Puddle Lamp Control	1	0.5	GY/ WH	5996	II	—
2	0.35	OG/ WH	1690	I	—	Automatic Day/Night Mirror Signal	2	0.35	OG/ WH	1690	II	—
3	0.35	BK/ BN	3393	I	—	Driver Mirror Position Sensor Low Reference	3	0.35	BK/ BN	3393	II	—
4	0.5	GY/ WH	3411	I	—	Driver Mirror Motor Fold Out Control	4	0.5	GY/ WH	3411	II	—
5	0.5	BK	1150	I	—	Ground	5	0.5	BK	1150	II	—
6	—	—	—	—	—	Not Occupied	6	—	—	—	—	—
7	0.35	WH/ YE	3395	I	—	Driver Mirror Position Sensor Left (-) Right (+) Signal	7	0.35	WH/ YE	3395	II	—

X510 Outside Rearview Mirror Harness to Driver Door Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.5	BN/OG	2267	I	—	Mirror Heating Element Control	8	0.5	BN/OG	2267	II	—
9	0.5	VT/BU	3390	I	—	Driver Mirror Motor Up (+) Down (-) Control	9	0.5	VT/BU	3390	II	—
10	0.5	BN/BK	3389	I	—	Driver Mirror Motor Right (+) Left (-) Control	10	0.5	BN/BK	3389	II	—
11	0.5	BK	1150	I	—	Ground	11	0.5	BK	1150	II	—
12	0.5	YE/BN	3391	I	—	Driver Mirror Motor Common Control	12	0.5	YE/BN	3391	II	—
13	0.5	BU/WH	1314	I	—	Left Front Turn Signal Lamp Control	13	0.5	BU/WH	1314	II	—
14	0.35	GY/BN	3394	I	—	Driver Mirror Position Sensor Up (+) Down (-) Signal	14	0.35	GY/BN	3394	II	—
15	0.35	GY/YE	5853	I	—	Driver Side Object Detection LED Signal 1	15	0.35	GY/YE	5853	II	—
16	0.35	BK/YE	1691	I	—	Automatic Day/Night Mirror Low Reference	16	0.35	BK/YE	1691	II	—
17	0.35	VT/RD	3392	I	—	Driver Mirror Position Sensor 5V Reference	17	0.35	VT/RD	3392	II	—
18	0.5	WH/GN	3412	I	—	Driver Mirror Motor Fold In Control	18	0.5	WH/GN	3412	II	—

X515 Left Outside Rearview Mirror Camera Jumper Harness to Driver Door Harness (UVH)

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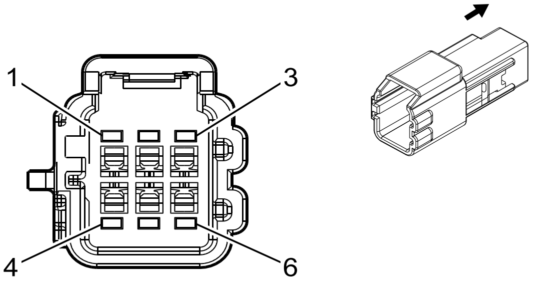


4446774

Connector Part Information

Harness Type: Left Outside Rearview Mirror Camera Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F

Connector Part Information

Harness Type: Driver Door
OEM Connector: 33282516
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M 1.2 Series (BK)

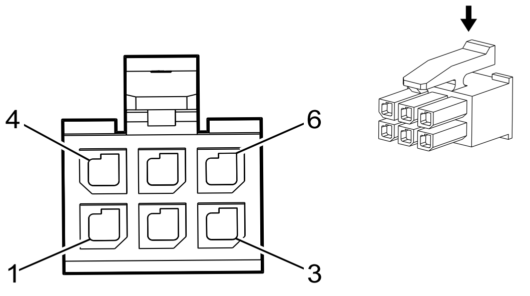
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-17 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X515 Left Outside Rearview Mirror Camera Jumper Harness to Driver Door Harness (UVH)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	WH/GN	2628	I	—	Left Side Vision Camera Video Signal (+)	1	0.35	WH/GN	2628	II	—
2	0.35	BK	2624	I	—	Left Side Vision Camera Video Drain Wire	2	0.35	BK	2624	II	—
4	0.35	GY/GN	2625	I	—	Left Side Vision Camera Video Signal (-)	4	0.35	GY/GN	2625	II	—
5	0.35	BK/WH	2551	I	—	Signal Ground	5	0.35	BK/WH	2551	II	—
6	0.5	WH/BN	6201	I	—	Camera Control	6	0.5	WH/BN	6201	II	—

X525 Outside Rearview Mirror — Driver Harness to Driver OSRVM Glass Harness



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4007718

Connector Part Information

Harness Type: Outside Rearview Mirror — Driver
OEM Connector: 794617-6
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F Micro Mate-N-Lock Series (NA)

Connector Part Information

Harness Type: Driver OSRVM Glass
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M

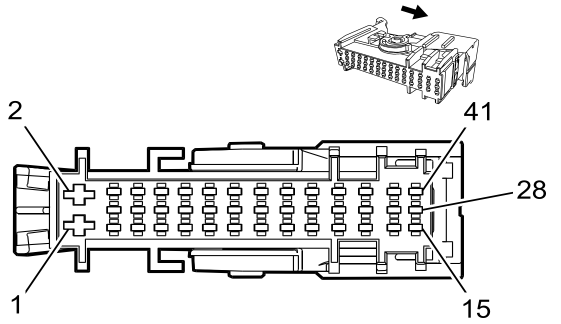
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X525 Outside Rearview Mirror — Driver Harness to Driver OSRVM Glass Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	BN/BK	1691	I	—	Automatic Day/Night Mirror Low Reference	1	—	BN/BK	1691	II	—
2	—	BK/WH	1150	I	—	Ground	2	—	BK/WH	1150	II	—
3	—	RD/BU	1314	I	—	Left Front Turn Signal Lamp Control	3	—	RD/BU	1314	II	—
4	—	BN	1690	I	—	Automatic Day/Night Mirror Signal	4	—	BN	1690	II	—
5	—	BK/WH	1150	I	—	Ground	5	—	BK/WH	1150	II	—
6	—	BK/YE	5853	I	—	Driver Side Object Detection LED Signal 1	6	—	BK/YE	5853	II	—

X600 Passenger Door Harness to Body Harness



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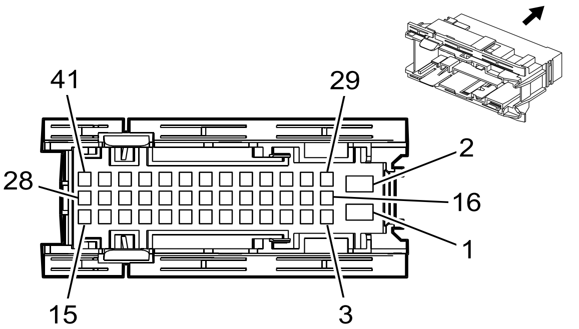


2474679

Connector Part Information

Harness Type: Passenger Door
OEM Connector: 13600509
Service Connector: Service by Harness - See Part Catalog
Description: 41-Way F 4.8 Timer, 1.5 DSQ Series

Connector Part Information

Harness Type: Body
OEM Connector: 13946876
Service Connector: 13587760
Description: 41-Way M 1.5, 2.8 Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	13575556	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	13575775	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	E	2
VI	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	E	C
VII	13575857	J-35616-41 (BU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VIII	13582220	J-35616-32 (OR)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X600 Passenger Door Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/ WH	1340	II	—	Battery Positive Voltage	1	2.5	RD/ WH	1340	VIII	—
2	2.5	BK	1250	II	—	Ground	2	2.5	BK	1250	VII	—
3	0.5	GY/ GN	5996	I	—	Driver Outside Rear View Mirror Puddle Lamp Control	3	0.5	GY/ GN	5996	V	—

X600 Passenger Door Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
4	0.5	WH	3398	I	—	Passenger Mirror Motor Common Control	4	0.5	WH	3398	V	—
5	—	—	—	—	—	Not Occupied	5	—	—	—	—	—
6	—	—	—	—	—	Indicator Dimming Control	6	0.35	WH	6816	IV	—
7	0.5	WH/ GN	3412	I	—	Driver Mirror Motor Fold In Control	7	0.5	WH/ GN	3412	V	—
8	0.5	GY/ WH	3411	I	—	Driver Mirror Motor Fold Out Control	8	0.5	GY/ WH	3411	V	—
9	0.75	VT/ BN	1952	I	—	Right Front Tweeter Speaker (-) Low Reference	9	0.75	VT/ BN	1952	VI	—
10	1	YE/ BK	117	I	—	Right Front Speaker Signal (-) 1 Right Front Speaker Signal (-) 1	10	0.75 1	YE/ BK YE/ BK	117 117	VI III	UQ3/UQ5 +WX7 UQG/(UQA +D09)/ (UQA+AZ3)
11	0.5	RD/ BU	840	I	—	Battery Positive Voltage	11	0.5	RD/ BU	840	V	—
12	0.35	WH/ BU	2627	I	—	Right Side Vision Camera Video Signal (+)	12	0.35	WH/ BU	2627	IV	—
13	0.35	GY/ BU	2626	I	—	Right Side Vision Camera Video Signal (-)	13	0.35	GY/ BU	2626	IV	—
14	0.5	OG/ GN	2134	I	—	Right Front Side Impact Sensing Module Signal	14	0.35	BN/ OG	2134	IV	—
15	0.5	BK/ OG	6629	I	—	Right Front Side Impact Sensing Module Low Reference	15	0.35	BK/ OG	6629	IV	—
16	—	—	—	—	—	Not Occupied	16	—	—	—	—	—
17	0.35	BN/ VT	245	I	—	Passenger Door Lock Switch Unlock Control	17	0.35	BN/ VT	245	IV	—
18	0.35	YE/ BK	244	I	—	Passenger Door Lock Switch Lock Control	18	0.35	YE/ VT	244	IV	—

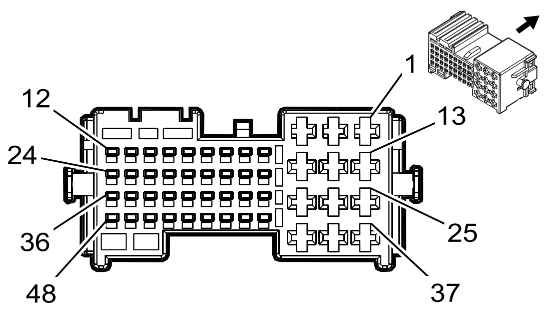
X600 Passenger Door Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
19	0.75	BN/YE	294	I	—	Door Lock Actuator Unlock Control	19	0.75	BN/YE	294	VI	—
20	0.75	GY	295	I	—	Door Lock Actuator Lock Control	20	0.75	GY	295	VI	—
21	—	—	—	—	—	Not Occupied	21	—	—	—	—	—
22	0.75	BN/GN	1852	I	—	Right Front Tweeter Speaker Control (+)	22	0.75	BN/GN	1852	VI	—
23	1	YE	200	I	—	Right Front Speaker Control (+) 1 Right Front Speaker Control (+) 1	23	0.75 1	YE YE	200 200	VI III	UQ3/UQ5 +WX7 UQG/(UQA +D09)/(UQA+AZ3)
24	—	—	—	—	—	Not Occupied	24	—	—	—	—	—
25	0.35	VT/WH	3571	I	—	Passenger Door Handle Switch Signal	25	0.35	VT/WH	3571	IV	—
26	0.5	Bare	2623	I	—	Right Side Vision Camera Video Drain Wire	26	0.35	Bare	2623	IV	—
27	0.35	GN/BK	3563	I	—	Passive Entry Passenger Door Antenna Signal Lo	27	0.35	GN/BK	3563	IV	—
28	0.35	GN/YE	3562	I	—	Passive Entry Passenger Door Antenna Signal Hi	28	0.35	GN/YE	3562	IV	—
29	0.35	YE	6817	I	—	LED Backlight Dimming Control	29	0.5	YE	6817	V	—
30	0.35	WH/YE	7557	I	—	LED Ambient Lighting Control 1	30	0.35	WH/YE	7557	IV	—
31	0.5	BN/OG	2267	I	—	Mirror Heating Element Control	31	0.5	BN/YE	2267	V	—
32	—	—	—	—	—	Not Occupied	32	—	—	—	—	—
33	0.5	GN/YE	6134	I	—	Local Interconnect Network Serial Data Bus 3	33	0.5	GN/YE	6134	V	—

X600 Passenger Door Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
34	0.5	GN/ WH	7530	I	—	Local Interconnect Network Serial Data Bus 8	34	0.5	GN/ WH	7530	V	—
35	0.5	WH/ BN	6201	I	—	Camera Control	35	0.5	WH/ BN	6201	V	—
36	0.5	GN/ BK	3396	I	—	Passenger Mirror Motor Right (+) Left (-) Control	36	0.5	GN/ BK	3396	V	—
37	0.35	GY	5861	I	—	Passenger Side Object Detection LED Signal 1	37	0.35	GY	5861	IV	—
38	0.5	YE/ VT	3397	I	—	Passenger Mirror Motor Up (+) Down (-) Control	38	0.5	YE/ VT	3397	V	—
39	0.75	BN	5910	I	—	Door Double Lock Actuator Lock Control	39	0.75	BN	5910	VI	—
40	0.35	BK/ WH	2551	I	—	Signal Ground	40	0.35	BK/ WH	2551	IV	—
41	0.5	GN/ VT	1315	I	—	Right Front Turn Signal Lamp Control	41	0.75	GN/ VT	1315	VI	—

X605 Passenger Door Harness to Passenger Door Trim Harness



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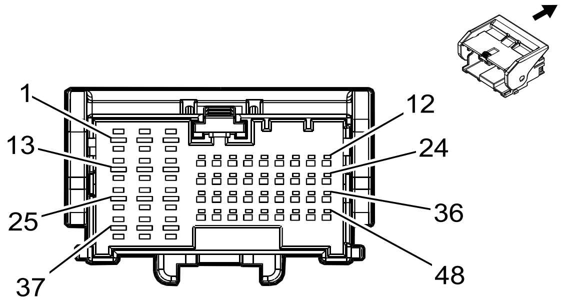


3277901

Connector Part Information

Harness Type: Passenger Door
OEM Connector: 13889713
Service Connector: Service by Harness - See Part Catalog
Description: 48-Way F 1.2 MCON, 2.8 MCP Series

Connector Part Information

Harness Type: Passenger Door Trim
OEM Connector: 15512031
Service Connector: Service by Harness - See Part Catalog
Description: 48-Way M 1.2 MCON, 2.8 MCP Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
IV	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X605 Passenger Door Harness to Passenger Door Trim Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	YE	6817	II	—	LED Backlight Dimming Control	1	0.35	YE	6817	IV	—
2	0.35	WH/ YE	7557	II	—	LED Ambient Lighting Control 1	2	0.35	WH/ YE	7557	IV	—
3 - 5	—	—	—	—	—	Not Occupied	3 - 5	—	—	—	—	—
6	0.5	YE/ VT	3397	I	—	Passenger Mirror Motor Up (+) Down (-) Control	6	0.75	YE/ VT	3397	III	—
7	0.5	WH	3398	I	—	Passenger Mirror Motor Common Control	7	0.75	WH	3398	III	—
8	0.5	YE/ GY	3413	I	—	Passenger Mirror Motor Fold Out Control	8	0.75	YE/ WH	3413	III	—

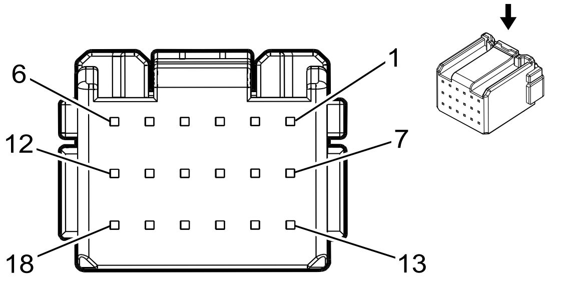
X605 Passenger Door Harness to Passenger Door Trim Harness (cont'd)

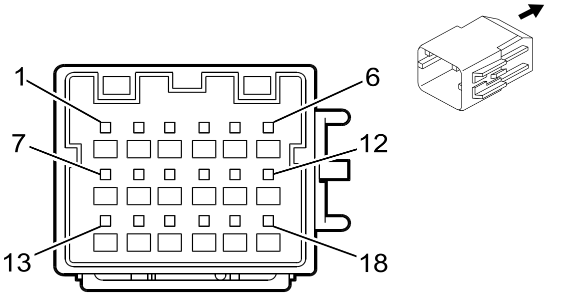
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
9	0.5	BU/GY	3414	I	—	Passenger Mirror Motor Fold In Control	9	0.75	BU/GY	3414	III	—
10	0.35	BU/YE	3401	I	—	Passenger Mirror Position Sensor Up (+) Down (-) Signal	10	0.35	BU/YE	3401	III	—
11	0.5	GN/BK	3396	I	—	Passenger Mirror Motor Right (+) Left (-) Control	11	0.75	GN/BK	3396	III	—
12	0.35	YE/RD	3399	I	—	Passenger Mirror Position Sensor 5V Reference	12	0.35	YE/RD	3399	III	—
13	0.35	VT/WH	3403	II	—	Passenger Mirror Position Sensor Left (-) Right (+) Signal	13	0.35	VT/WH	3403	IV	—
14	0.35	BK/GN	3400	II	—	Passenger Mirror Position Sensor Low Reference	14	0.35	BK/GN	3400	IV	—
15 - 16	—	—	—	—	—	Not Occupied	15 - 16	—	—	—	—	—
17	0.5	BK	1250	I	—	Ground	17	0.35	BK	1250	III	—
18 - 19	—	—	—	—	—	Not Occupied	18 - 19	—	—	—	—	—
20	0.75	BN/GN	1852	I	—	Right Front Tweeter Speaker Control (+)	20	0.75	BN/GN	1852	III	—
21	0.75	VT/BN	1952	I	—	Right Front Tweeter Speaker (-) Low Reference	21	0.75	VT/BN	1952	III	—
22	0.5	RD/BU	840	I	—	Battery Positive Voltage	22	0.5	RD/BU	840	III	—
23 - 28	—	—	—	—	—	Not Occupied	23 - 28	—	—	—	—	—
29	0.35	BN/YE	167	I	—	Power Window Master Switch Right Front Down Signal	29	0.35	BN/YE	167	III	—

X605 Passenger Door Harness to Passenger Door Trim Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
30	0.35	YE/ BK	166	I	—	Power Window Master Switch Right Front Up Signal	30	0.35	YE/ BK	166	III	—
31	0.35	VT/ GY	2765	I	—	Power Window Switch Right Front Express Signal	31	0.35	VT/ GY	2765	III	—
32 - 36	—	—	—	—	—	Not Occupied	32 - 36	—	—	—	—	—
37	0.5	GN/ WH	7530	II	—	Local Interconnect Network Serial Data Bus 8	37	0.5	GN/ WH	7530	IV	—
38	1	YE/ BK	117	II	—	Right Front Speaker Signal (-) 1	38	0.75	YE	200	IV	—
39	1	YE	200	II	—	Right Front Speaker Control (+) 1	39	0.75	YE/ BK	117	IV	—
40 - 46	—	—	—	—	—	Not Occupied	40 - 46	—	—	—	—	—
47	0.35	BN/ VT	245	I	—	Passenger Door Lock Switch Unlock Control	47	0.35	BN/ VT	245	III	—
48	0.35	YE/ BK	244	I	—	Passenger Door Lock Switch Lock Control	48	0.35	YE/ VT	244	III	—

X610 Outside Rearview Mirror Harness to Passenger Door Harness





Connector Part Information

Harness Type: Outside Rearview Mirror
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 18-Way F

Connector Part Information

Harness Type: Passenger Door
OEM Connector: 13888973
Service Connector: Service by Harness - See Part Catalog
Description: 18-Way M 0.64 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

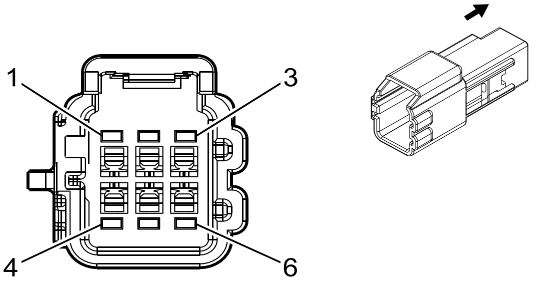
X610 Outside Rearview Mirror Harness to Passenger Door Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	GY/GN	5996	I	—	Driver Outside Rear View Mirror Puddle Lamp Control	1	0.5	GY/GN	5996	II	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—
3	0.35	BK/GN	3400	I	—	Passenger Mirror Position Sensor Low Reference	3	0.35	BK/GN	3400	II	—
4	0.5 0.5	YE/GY GY/WH	3413 3411	I I	A45+DL3 DQS/DR4	Passenger Mirror Motor Fold Out Control Driver Mirror Motor Fold Out Control	4	0.5 0.5	YE/GY GY/WH	3413 3411	II II	A45+DL3 DQS/DR4
5	0.5	BK	1250	I	—	Ground	5	0.5	BK	1250	II	—
6	—	—	—	—	—	Not Occupied	6	—	—	—	—	—

X610 Outside Rearview Mirror Harness to Passenger Door Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.35	VT/ WH	3403	I	—	Passenger Mirror Position Sensor Left (-) Right (+) Signal	7	0.35	VT/ WH	3403	II	—
8	0.5	BN/ OG	2267	I	—	Mirror Heating Element Control	8	0.5	BN/ OG	2267	II	—
9	0.5	YE/ VT	3397	I	—	Passenger Mirror Motor Up (+) Down (-) Control	9	0.5	YE/ VT	3397	II	—
10	0.5	GN/ BK	3396	I	—	Passenger Mirror Motor Right (+) Left (-) Control	10	0.5	GN/ BK	3396	II	—
11	0.5	BK	1250	I	—	Ground	11	0.5	BK	1250	II	—
12	0.5	WH	3398	I	—	Passenger Mirror Motor Common Control	12	0.5	WH	3398	II	—
13	0.5	GN/ VT	1315	I	—	Right Front Turn Signal Lamp Control	13	0.5	GN/ VT	1315	II	—
14	0.35	BU/ YE	3401	I	—	Passenger Mirror Position Sensor Up (+) Down (-) Signal	14	0.35	BU/ YE	3401	II	—
15	0.35	GY	5861	I	—	Passenger Side Object Detection LED Signal 1	15	0.35	GY	5861	II	—
16	—	—	—	—	—	Not Occupied	16	—	—	—	—	—
17	0.35	YE/ RD	3399	I	—	Passenger Mirror Position Sensor 5V Reference	17	0.35	YE/ RD	3399	II	—
18	0.5 0.5	WH/ GN BU/ GY	3412 3414	I I	A45+DL3/ DQS/DR4 A45+DL3/ DR4	Driver Mirror Motor Fold In Control Passenger Mirror Motor Fold In Control	18	0.5 0.5	WH/ GN BU/ GY	3412 3414	II II	A45+DL3/ DQS/DR4 A45+DL3/ DR4

B225R Sideview Camera - Right



4446774

Connector Part Information

Harness Type: Passenger Door
OEM Connector: 33282516
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M 1.2 Series (BK)

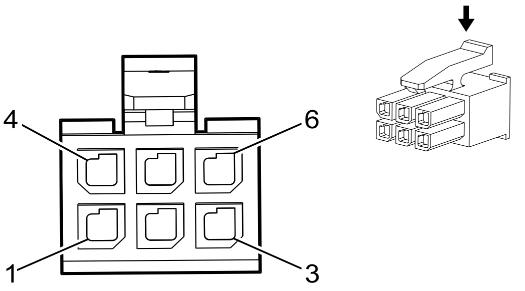
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-17 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B225R Sideview Camera - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/BU	2627	Right Side Vision Camera Video Signal (+)	I	—
2	0.35	BK	2623	Right Side Vision Camera Video Drain Wire	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	GY/BU	2626	Right Side Vision Camera Video Signal (-)	I	—
5	0.35	BK/WH	2551	Signal Ground	I	—
6	0.5	WH/BN	6201	Camera Control	I	—

X625 Passenger OSRVM Harness to Passenger OSRVM Glass Harness



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4007718

Connector Part Information

Harness Type: Outside Rearview Mirror — Passenger
OEM Connector: 794617-6
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F Micro Mate-N-Lock Series (NA)

Connector Part Information

Harness Type: Outside Rearview Mirror Glass — Passenger
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M Micro Mate-N-Lock Series

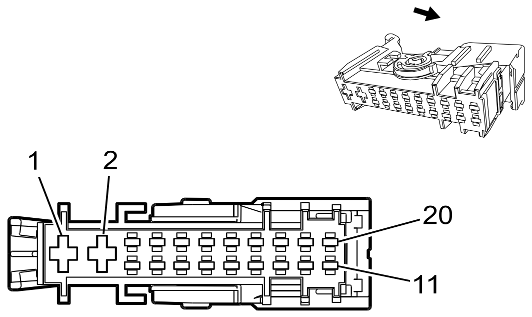
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

X625 Passenger OSRVM Harness to Passenger OSRVM Glass Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	BK/ WH	1250	I	—	Ground	1	—	BK/ RD	1250	II	—
2	—	RD/ BU	1315	I	—	Right Front Turn Signal Lamp Control	2	—	BU	1315	II	—
3	—	BK/ WH	1250	I	—	Ground	3	—	BK/	1250	II	—
4	—	BK/ YE	5861	I	—	Passenger Side Object Detection LED Signal 1	4	—	BK/ YE	5861	II	—
5 - 6	—	—	—	—	—	Not Occupied	5 - 6	—	—	—	—	—

X700 Left Rear Door Harness to Body Harness



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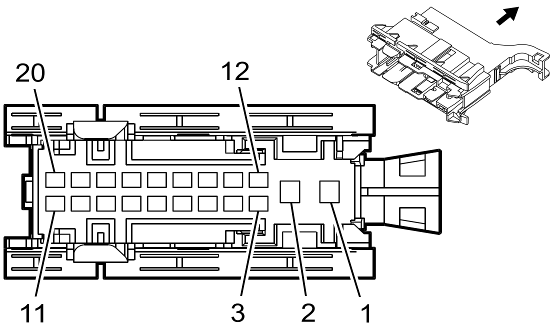


3621541

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 13600493
Service Connector: Service by Harness - See Part Catalog
Description: 20-Way F 1.5 DSQ, 4.8 Timer Series (GY)

Connector Part Information

Harness Type: Body
OEM Connector: 15539528
Service Connector: 19329469
Description: 20-Way M 1.5, 5.8 TTS Series (D-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	13575556	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	13575706	J-35616-32 (OR)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	13575775	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	E	2
VII	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	E	C
VIII	13582220	J-35616-32 (OR)	J-38125-560	Not Available	Not Available	Not Available	Not Available

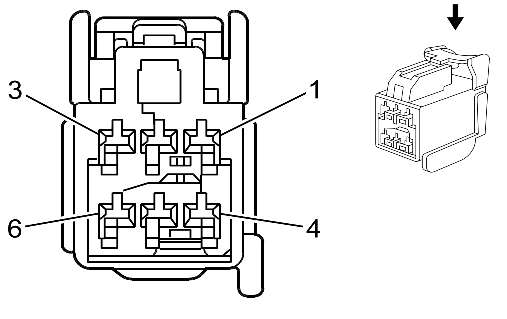
X700 Left Rear Door Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/BU	1842	II	—	Battery Positive Voltage	1	2.5	RD/BU	1842	VIII	—
2	3	BK	1150	II	—	Ground	2	4	BK	1150	IV	—
3	0.35	WH/YE	7557	I	—	LED Ambient Lighting Control 1	3	0.35	WH/YE	7557	V	—
4 - 6	—	—	—	—	—	Not Occupied	4 - 6	—	—	—	—	—

X700 Left Rear Door Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	1	GN	199	I	—	Left Rear Speaker Control (+) Left Rear Speaker Control (+)	7	0.5 1	GN GN	199 199	VI III	UQ3 UQH
8	0.35	BN/ YE	6157	I	—	Left Rear Door Handle Switch Signal	8	0.35	BN/ YE	6157	V	—
9	0.75	WH/ BU	3266	I	—	Child Security Lock Motor Lock Control	9	0.75	WH/ BU	3266	VII	—
10	0.75	BN/ YE	294	I	—	Door Lock Actuator Unlock Control	10	0.75	BN/ YE	294	VII	—
11	0.75	GY	295	I	—	Door Lock Actuator Lock Control	11	0.75	GY	295	VII	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—
13	0.75	BN	5910	I	—	Door Double Lock Actuator Lock Control	13	0.75	BN	5910	VII	—
14	0.5	GY/ GN	5996	I	—	Driver Outside Rear View Mirror Puddle Lamp Control	14	0.5	GY/ GN	5996	VI	—
15	—	—	—	—	—	Not Occupied	15	—	—	—	—	—
16	1	GN/ BK	116	I	—	Left Rear Speaker Signal (-) Left Rear Speaker Signal (-)	16	0.5 1	GN/ BK GN/ BK	116 116	VI III	UQ3 UQH
17 - 18	—	—	—	—	—	Not Occupied	17 - 18	—	—	—	—	—
19	0.35	BN/ WH	3269	I	—	Child Security Lock Motor Status Signal Left Rear	19	0.35	BN/ WH	3269	V	—
20	0.5	GN/ GY	6135	I	—	Local Interconnect Network Serial Data Bus 4	20	0.5	GN/ GY	6135	VI	—

X705 Left Rear Door Harness to Left Rear Door Trim Harness



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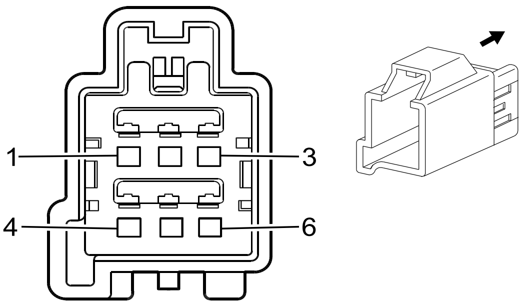


1283896

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 10846805
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 1.5 Kaizen Series (L-GY)

Connector Part Information

Harness Type: Left Rear Door Trim
OEM Connector: 10846804
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M 1.5 Series (L-GY)

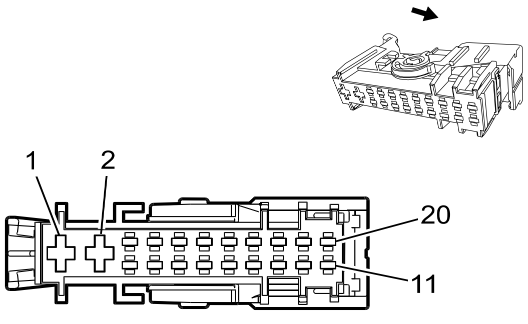
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X705 Left Rear Door Harness to Left Rear Door Trim Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.35	WH/ YE	7557	I	—	LED Ambient Lighting Control 1	2	0.35	WH/ YE	7557	III	—
3	0.75	GN/ BK	116	II	—	Left Rear Speaker Signal (-)	3	0.75	GN/ BK	116	III	—
4	—	—	—	—	—	Not Occupied	4	—	—	—	—	—
5	0.5	BK	1150	I	—	Ground	5	0.35	BK	1150	III	—
6	0.75	GN	199	II	—	Left Rear Speaker Control (+)	6	0.75	GN	199	III	—

X800 Right Rear Door Harness to Body Harness



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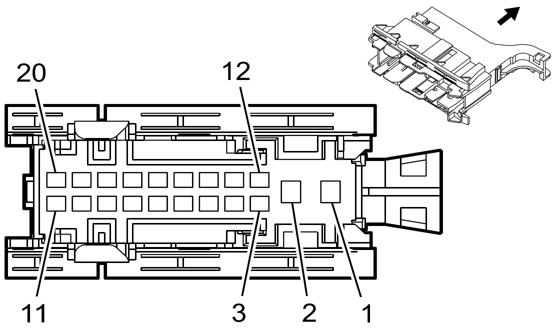


3621541

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 13600493
Service Connector: Service by Harness - See Part Catalog
Description: 20-Way F 1.5 DSQ, 4.8 Timer Series (GY)

Connector Part Information

Harness Type: Body
OEM Connector: 15539528
Service Connector: 19329469
Description: 20-Way M 1.5, 5.8 TTS Series (D-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	13575556	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	13575775	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	E	2
VI	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	E	C
VII	13582220	J-35616-32 (OR)	J-38125-560	Not Available	Not Available	Not Available	Not Available

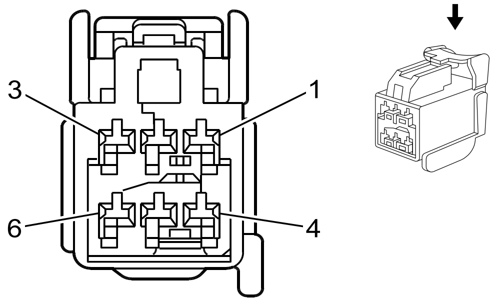
X800 Right Rear Door Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/ WH	1340	II	—	Battery Positive Voltage	1	2.5	RD/ WH	1340	VII	—
2	2.5	BK	1250	II	—	Ground	2	2.5	BK	1250	VII	—
3	0.35	WH/ YE	7557	I	—	LED Ambient Lighting Control 1	3	0.35	WH/ YE	7557	IV	—
4 - 6	—	—	—	—	—	Not Occupied	4 - 6	—	—	—	—	—

X800 Right Rear Door Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	1	WH	46	I	—	Right Rear Speaker Control (+) Right Rear Speaker Control (+)	7	0.5 1	WH WH	46 46	V III	UQ3+WX7 UQA
8	0.35	YE/ GY	6158	I	—	Right Rear Door Handle Switch Signal	8	0.35	YE/ GY	6158	IV	—
9	0.75	WH/ BU	3266	I	—	Child Security Lock Motor Lock Control	9	0.75	WH/ BU	3266	VI	—
10	0.75	BN/ YE	294	I	—	Door Lock Actuator Unlock Control	10	0.75	BN/ YE	294	VI	—
11	0.75	GY	295	I	—	Door Lock Actuator Lock Control	11	0.75	GY	295	VI	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—
13	0.75	BN	5910	I	—	Door Double Lock Actuator Lock Control	13	0.75	BN	5910	VI	—
14	0.5	GY/ GN	5996	I	—	Driver Outside Rear View Mirror Puddle Lamp Control	14	0.5	GY/ GN	5996	V	—
15	—	—	—	—	—	Not Occupied	15	—	—	—	—	—
16	1	BU/ BK	115	I	—	Right Rear Speaker Signal (-) Right Rear Speaker Signal (-)	16	0.5 1	BU/ BK BU/ BK	115 115	V III	UQ3+WX7 UQA
17 - 18	—	—	—	—	—	Not Occupied	17 - 18	—	—	—	—	—
19	0.35	GY/ BK	3268	I	—	Child Security Lock Motor Status Signal Right Rear	19	0.35	GY/ BK	3268	IV	—
20	0.5	GN/ GY	6135	I	—	Local Inter-connect Network Serial Data Bus 4	20	0.5	GN/ GY	6135	V	—

X805 Right Rear Door Harness to Right Rear Door Trim Harness



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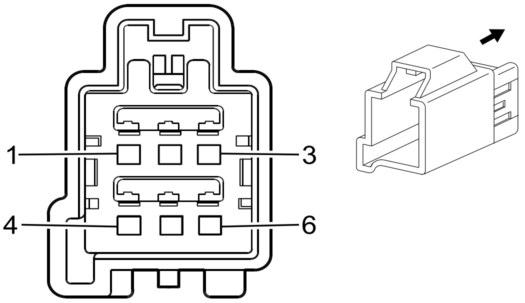


1283896

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 10846805
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 1.5 Kaizen Series (L-GY)

Connector Part Information

Harness Type: Right Rear Door Trim
OEM Connector: 10846804
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M 1.5 Series (L-GY)

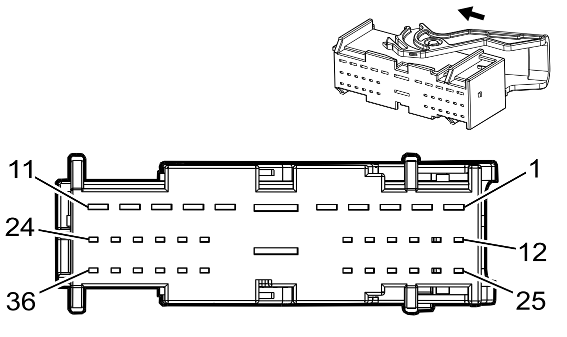
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X805 Right Rear Door Harness to Right Rear Door Trim Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.35	WH/YE	7557	I	—	LED Ambient Lighting Control 1	2	0.35	WH/YE	7557	III	—
3	0.75	BU/BK	115	II	—	Right Rear Speaker Signal (-)	3	0.75	BU/BK	115	III	—
4	—	—	—	—	—	Not Occupied	4	—	—	—	—	—
5	0.5	BK	1250	I	—	Ground	5	0.35	BK	1250	III	—
6	0.75	WH	46	II	—	Right Rear Speaker Control (+)	6	0.75	WH	46	III	—

X900 Liftgate Harness to Body Harness



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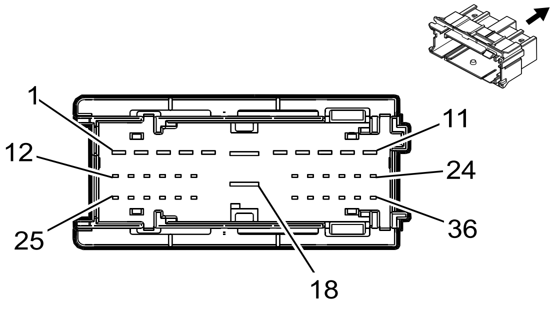


3277910

Connector Part Information

Harness Type: Liftgate

OEM Connector: 33196212

Service Connector: Service by Harness - See Part Catalog

Description: 36-Way F 1.2 Multilock, 2.8, 6.3 YESC Series (GY)

Connector Part Information

Harness Type: Body

OEM Connector: 13933751

Service Connector: 19329821

Description: 36-Way M 1.5, 2.8, 6.3 Series, Sealed

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
IV	13575823	J-35616-5 (PU)	J-38125-11A	7114-4110-02	Yazaki 9	E	C
V	13575823	J-35616-5 (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
VI	13575824	J-35616-5 (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
VII	13578908	J-35616-5 (PU)	J-38125-11A	7114-4112-02	Yazaki 9	C	D
VIII	13580023	J-35616-43 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IX	19329830	J-35616-17 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

X900 Liftgate Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	3	RD/GY	7040	III	—	Battery Positive Voltage	1	3	RD/GY	7040	VII	—
2 - 3	—	—	—	—	—	Not Occupied	2 - 3	—	—	—	—	—
4	1	BK	1450	III	—	Ground	4	1.5	BK	1450	VI	—
5	—	—	—	—	—	Not Occupied	5	—	—	—	—	—

X900 Liftgate Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	2.5	BN/ VT	293	II	—	Rear Defog Element Control	6	2.5	BN/ VT	293	VIII	—
7	—	—	—	—	—	Not Occupied	7	—	—	—	—	—
8	0.75	RD/ YE	3040	III	—	Battery Positive Voltage	8	0.75	RD/ YE	3040	V	—
9	—	—	—	—	—	Not Occupied	9	—	—	—	—	—
10	0.5	GN/ YE	6846	III	—	Rear License Lamp Control	10	0.5	GN/ YE	6846	IV	—
11	3	BK	1450	III	—	Ground	11	3	BK	1450	VII	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—
13	0.5	GN	5060	I	—	Low Speed GMLAN Serial Data	13	0.5	GN	5060	IX	—
14	0.5	GY/ BK	6113	I	—	Rear Lift Gate Open/ Close Switch Signal	14	0.35	GY/ BK	6113	IX	—
15	0.5	GN/ BU	6112	I	—	Power Lift Gate On/Off Switch Signal	15	0.35	GN	6112	IX	—
16 - 17	—	—	—	—	—	Not Occupied	16 - 17	—	—	—	—	—
18	2.5	BK	1450	II	—	Ground	18	2.5	BK	1450	VIII	—
19	0.5	BU/ WH	6128	I	—	Rear Closure Unlatch Motor Unlatch Control	19	0.5	BU/ WH	6128	IX	—
20	0.35	BK	2550	I	—	Signal Ground Ground	20	0.35 0.75	BK/ WH BK	2551 2550	IX IX	UVH UVC
21	—	—	—	—	—	Not Occupied	21	—	—	—	—	—
22	0.5	RD/ BU	840	I	—	Battery Positive Voltage	22	0.5	RD/ BU	840	IX	—
23	—	—	—	—	—	Not Occupied	23	—	—	—	—	—
24	0.35	YE/ BU	5797	I	—	Rear Closure Handle Switch Open Signal	24	0.35	YE/ BU	5797	IX	—
25	0.5	BU/ YE	6795	I	—	Lift Glass/ Rear Compartment Lid Motor Release Control 2	25	0.5	BU/ YE	6795	IX	—

X900 Liftgate Harness to Body Harness (cont'd)

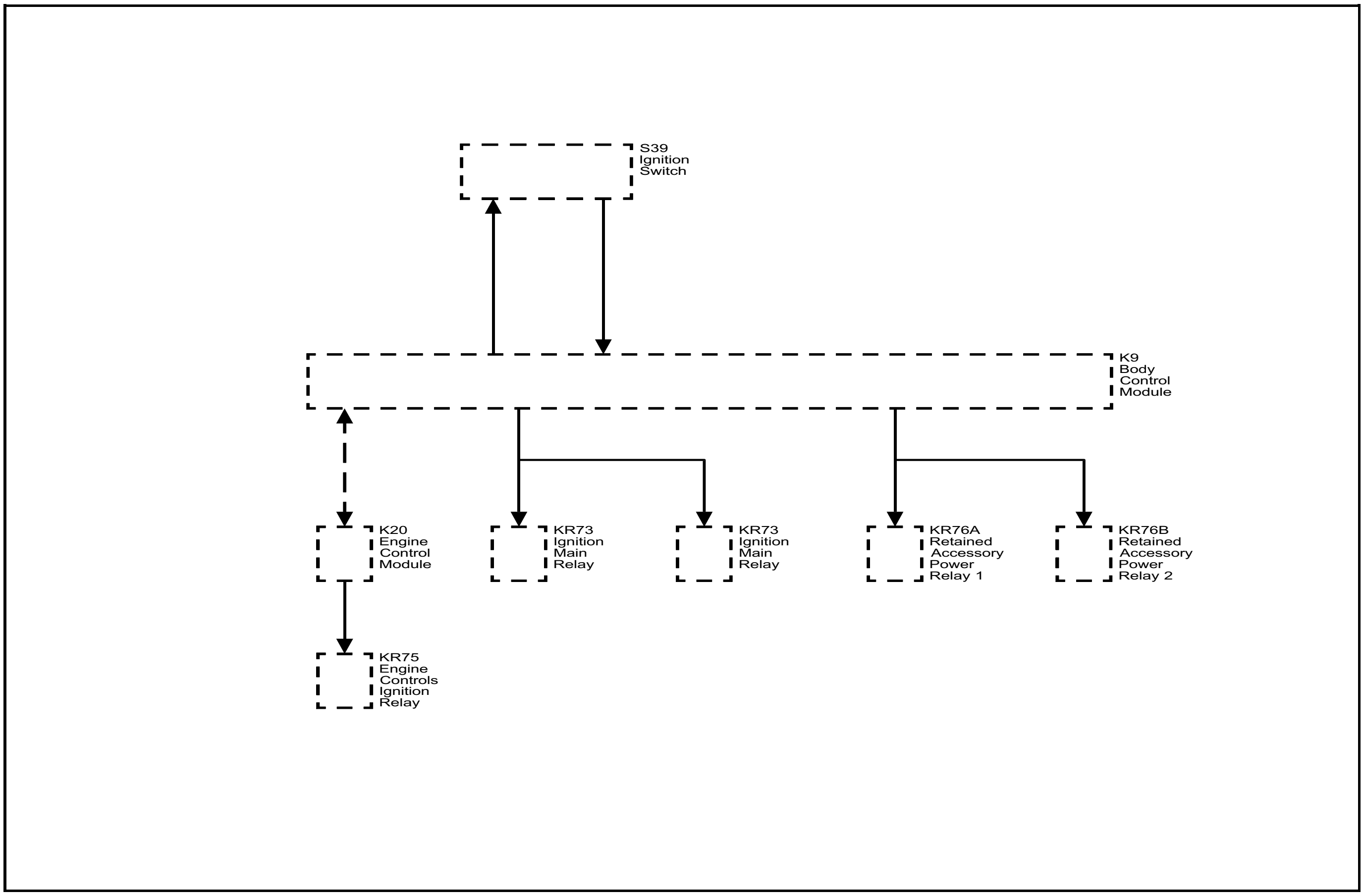
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
26	0.35	GY/GN	6190	I	—	Lift Glass/Rear Compartment Lid Exterior Release Signal	26	0.35	GY/GN	6190	IX	—
27	0.5	GN/BN	4118	I	—	Local Interconnect Network Serial Data Bus 18	27	0.5	GN/BN	4118	IX	—
28	0.35	VT/GY	1303	I	—	Lift Gate Ajar Switch Signal 1	28	0.35	VT/GY	1303	IX	—
29	0.5	YE/OG	5797	I	—	Rear Closure Handle Switch Open Signal	29	—	—	—	—	—
30	0.5	GN/GY	6135	I	—	Local Interconnect Network Serial Data Bus 4	30	0.5	GN/GY	6135	IX	—
31	—	—	—	—	—	Not Occupied	31	—	—	—	—	—
32	0.35	VT/GN	1739	I	—	Camera Control Run/Crank Ignition 1 Voltage	32	0.35 0.5	WH/BN VT/GN	6201 1739	IX IX	UVH UVC
33	0.35	WH/BU	6973	I	—	Camera Rear Vision Signal (-) Camera Signal 2	33	0.35 0.35	WH WH/BU	7642 6973	IX IX	UVH UVC
34	0.35	GY/YE	6972	I	—	Camera Rear Vision Signal + Camera Signal 2 +	34	0.35 0.35	BU GY/YE	7641 6972	IX IX	UVH UVC
35	0.35	Bare	6974	I	—	Camera Shield Ground Camera Low Reference	35	0.35 0.35	Bare Bare	6799 6974	IX IX	UVH UVC
36	0.35	GN/WH	24	I	—	Backup Lamp Control	36	0.35	GN/WH	24	IX	—

Description and Operation

Power Mode Description and Operation (Without BTM)

Serial Data Power Mode Master

Power Moding Description and Operation Block Diagram



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Power to many of this vehicles circuits is controlled by the module that is designated the power mode master. This vehicles power mode master is the body control module (BCM). The BCM has multiple B+ circuits that feed into it. Each of those circuits are partitioned within the controller to drive certain outputs of the vehicle’s body functions. An open or short in any one of the B+ circuits may induce multiple codes/or a section of non-functionality within the BCM with the rest of the BCM functioning normally. In this case it is useful to refer to the power distribution schematics to determine if the non-functional partition of the controller shares a common B+ circuit. The ignition switch is a low current switch with multiple discrete ignition switch signals to the power mode master for determination of the power mode that will be sent over the serial data circuits to the other modules that need this information. The power mode master will also activate relays and other direct outputs of the power mode master as needed. The power mode master determines which power mode (Off, Accessory, Run, Crank Request) is required, and reports this information to other modules via serial data. Modules which have switched voltage inputs may operate in a default mode if the power mode serial data message does not match what the individual module can see from its own connections.

The power mode master receives ignition switch signals to identify the operators desired power mode. The Power Mode Parameter tables below illustrate the correct state of these input parameters (circuits) in correspondence to the ignition switch position:

Power Mode Parameters

Ignition Switch Position	Power Mode Transmitted	Ign. Off/Run/Crank (Off/Run Crank Voltage Circuit)	Ignition Accessory/Run (Accessory Voltage Circuit)	Ignition Run/Crank (Ignition 1 Voltage Circuit)
Off Key Out	Off	Key Out / ACC	Inactive	Inactive

Power Mode Parameters (cont'd)

Ignition Switch Position	Power Mode Transmitted	Ign. Off/Run/Crank (Off/Run Crank Voltage Circuit)	Ignition Accessory/Run (Accessory Voltage Circuit)	Ignition Run/Crank (Ignition 1 Voltage Circuit)
Off Key IN	Off	Key In / Off	Inactive	Inactive
Accessory	Accessory	Key Out / ACC	Active	Inactive
Run	Run	Run	Active	Active
Start	Crank Request	Crank	Inactive	Active

Relay Controlled Power Mode

The BCM uses the discrete ignition switch inputs Off/Run/Crank Voltage, Accessory Voltage, and Ignition 1 Voltage, to distinguish the correct power mode. The BCM, after determining the desired power mode, will activate the appropriate relays for that power mode.

The retained accessory power relay 1 and retained accessory power relay 2 remain on for a timed period after the Ignition key is removed. Refer to *Retained Accessory Power Description and Operation (With BTM) on page 3-1030* or *Retained Accessory Power Description and Operation (Without BTM) on page 3-1032* for more information on the retained accessory power function.

Battery Saver Mode (Transport Mode)

Battery saver mode (transport mode) reduces the parasitic load of some modules during overseas shipment or during vehicle storage conditions. This improves the drain time on the battery (up to 70 days without the battery going dead). When a vehicle is in transport/storage, some features may have reduced functionality while in the battery saver mode, such as disabling keyless entry, afterblow, and content theft features. Battery saver mode is initiated by turning on the hazard flashers, applying the brake pedal, and then turning the ignition key to the start position or pushing the ignition mode switch with the foot on the brake for greater than 15 seconds. The mode is disengaged by repeating the previous process. The driver information center (if equipped) will display Transport Mode is On when battery saver mode is enabled and Transport Mode is Off when battery saver mode is disabled. For vehicles not equipped with a driver information center, the battery indicator light will constantly flash on the Instrument Cluster when battery saver mode is enabled. This feature can be used as many times as necessary if the vehicle is to be stored for an extended period of time.

BCM Awake/Sleep States

The BCM is able to control or perform all of the BCM functions in the awake state. The BCM enters the sleep state when active control or normal monitoring of system functions has stopped and a time limit has passed. The BCM must detect certain wake-up inputs before entering the awake state. The BCM monitors for these inputs during the sleep state.

The BCM will enter the awake state if any of the following wake-up inputs are detected:

- Activity on the serial data line
- Detection of a battery reconnect
- Any door open signal
- Headlamps ON
- Key-in-ignition
- Ignition ON
- Park lamps ON
- Keyless entry or remote start message

The BCM will enter a sleep state when all of the following conditions exist:

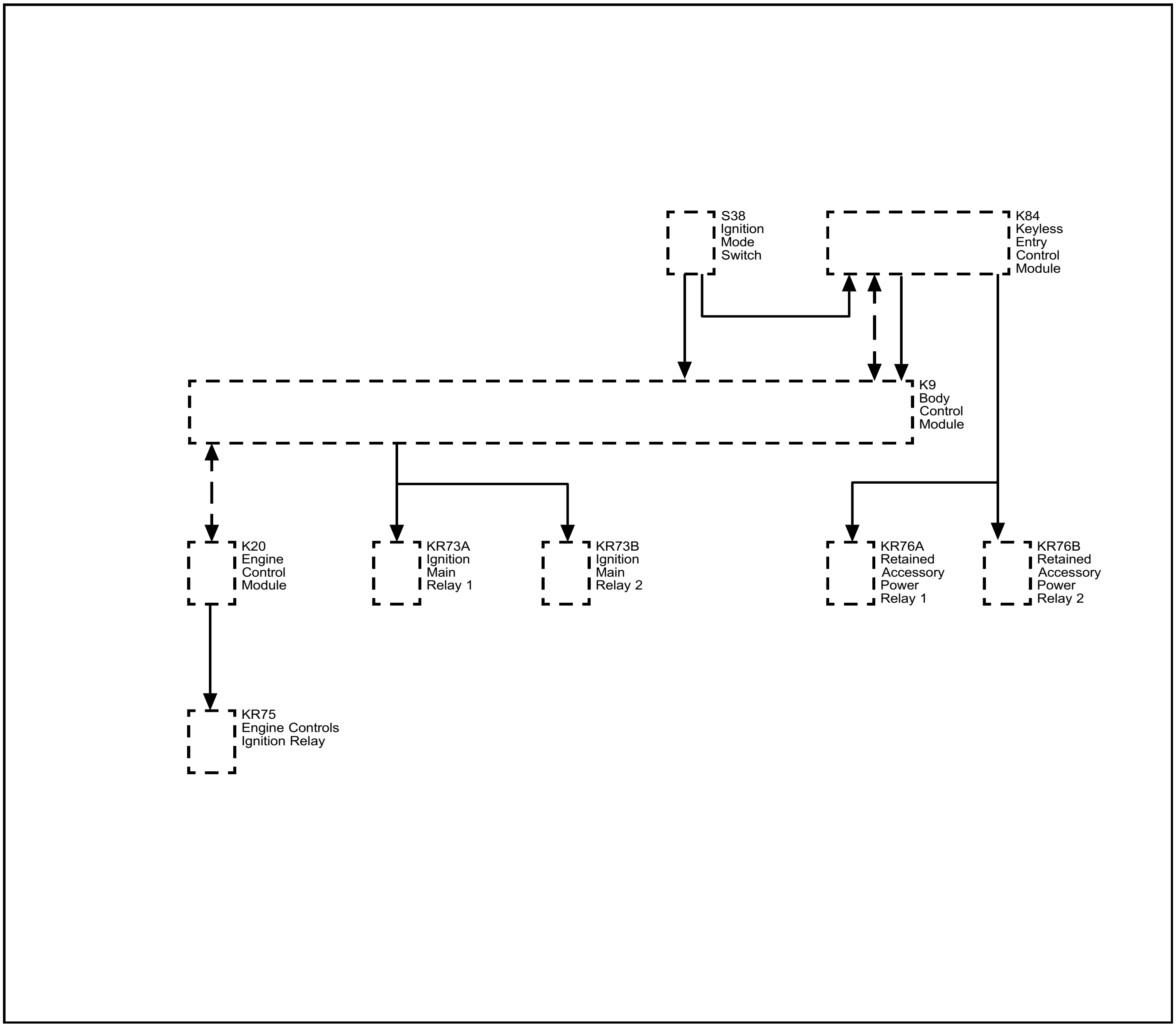
- The ignition switch is OFF, key out.
- Ignition OFF, transmitter is out of range
- No activity exists on the serial data line.
- No outputs are commanded.
- No delay timers are actively counting.
- No wake-up inputs are present.

If all these conditions are met, the BCM will enter a low power or sleep condition.

Power Mode Description and Operation (With BTM)

Serial Data Power Mode Master

Power Moding D&O Block Diagram


S38
Ignition
Mode
Switch
K84
Keyless
Entry
Control
Module
K9
Body
Control
Module
K20
Engine
Control
Module
KR73A
Ignition
Main
Relay 1
KR73B
Ignition
Main
Relay 2
KR76A
Retained
Accessory
Power
Relay 1
KR76B
Retained
Accessory
Power
Relay 2
KR75
Engine Controls
Ignition Relay
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Power to many of this vehicles circuits is controlled by the module that is designated the power mode master. This vehicles power mode master is the body control module (BCM). The BCM has multiple B+ circuits that feed into it. Each of those circuits are partitioned within the controller to drive certain outputs of the vehicle's body functions. An open or short in any one of the B+ circuits may induce multiple codes/or a section of non-functionality within the BCM with the rest of the BCM functioning normally. In this case it is useful to refer to the power distribution schematics to determine if the non-functional partition of the controller shares a common B+ circuit. The ignition mode switch is a low current switch with a discrete ignition signal to the power mode master for determination of the power mode that will be sent over the serial data circuits to the other modules that need this information. The power mode master will also activate relays and other direct outputs of the power mode master as needed. The power mode master determines which power mode (OFF, Accessory, Run, Crank Request) is required, and reports this information to other modules via serial data. Modules which have switched voltage inputs may operate in a default mode if the power mode serial data message does not match what the individual module can see from its own connections.

The keyless entry control module also monitors voltage on the switch in the same manner as the BCM, but monitors the second switch located in the ignition mode switch. The keyless entry control module also controls the backup power through the run/crank coil control circuit by applying voltage to the ignition voltage circuit.

This circuit is a pass-thru in the BCM and will energize the ignition circuit when the appropriate power mode is required.

The power mode master receives ignition switch or ignition mode switch signals to identify the operators desired power mode. The Power Mode Parameter tables below illustrate the correct state of these input parameters (circuits) in correspondence to the ignition switch position or ignition mode switch with the transmitter to vehicle range:

Power Mode Parameters

Power Mode	**Power Mode Transmitted**	**Push Button Ignition Switch** **(Power Button Switch Circuit Input to the BCM)**	**Push Button Ignition Switch Voltage** **Push Button Ignition Switch Voltage Input to the BCM**	**Key in Cylinder Switch/Key Fob in Vehicle** **(Transmitter in Range to the BCM Signal)**
Transmitter in Range	OFF	Inactive	9 V	Yes
Transmitter out of Range	OFF	Inactive	9 V	No
Vehicle On Power Mode, then Press the Power Button Switch (Foot on or OFF the Brake Pedal) Transmitter in Vehicle	OFF	Active (pushed) / Inactive (not pushed)	5-6 V (pressed)	Yes
Vehicle OFF Power Mode, then Press the Power Button Switch with foot OFF the Brake Pedal; Transmitter in Vehicle	Accessory Mode	Active (pushed) / Inactive (not pushed)	5-6 V (pressed)	Yes
Vehicle OFF Power Mode, then Press the Power Button Switch with foot on the Brake Pedal; Transmitter in Vehicle	Vehicle in Run/Start Mode (Ignition ON engine running.)	Active (pushed) / Inactive (not pushed)	5-6 V (pressed)	Yes
Vehicle OFF Power Mode, then Press and Hold the Power Button Switch for 5 s with foot OFF the Brake Pedal; Transmitter in Vehicle	Vehicle in Run/Start Mode (Ignition ON without the engine running)	Active (pushed) / Inactive (not pushed)	5-6 V (pressed)	Yes
Vehicle OFF Power Mode, then Press and Hold the Power Button Switch for 10 s with foot OFF the Brake Pedal; Transmitter in Vehicle	Vehicle In Service Mode (Ignition ON without the engine running)	Active (pushed) / Inactive (not pushed)	5-6 V (pressed)	Yes

Relay Controlled Power Mode

The BCM and keyless entry control module use discrete push button switch inputs, transmitter in range status, current power mode state, transmission shift lever position, and brake pedal position state to distinguish the correct power mode (OFF, Accessory Mode, Vehicle in Run/Start Mode). The BCM and keyless entry control module, after determining the desired power mode, will activate the appropriate relays for that power mode.

The retained accessory power relay remains on for a timed period after the Ignition is turned OFF. Refer to *Retained Accessory Power Description and Operation (With BTM) on page 3-1030* or *Retained Accessory Power Description and Operation (Without BTM) on page 3-1032* for more information on the retained accessory power function.

Push Button Start

The ignition mode switch has 2 LEDs that indicate the vehicle power mode. When the vehicle is in the OFF mode, both LED’s will be OFF. Momentarily pressing the ignition mode switch button once (brake pedal not applied), will enter the vehicle into accessory mode and the amber LED (ACC) will illuminate. The accessory mode has a 10 min time out to reduce battery drain. With the ignition OFF (brake pedal not applied) then pressing and holding the push button start switch for 5 s will place the vehicle in run/start mode (Ignition ON without the engine running). The vehicle will stay powered up for 3 hours and the green LED (Run/Start) will illuminate. After being in run/start mode (ignition ON without the engine running) for 1.5 hours, the vehicle will look to see if the transmitter is still present. If the transmitter is not present in the vehicle, it will power down instead of staying powered up for the full 3 hours. With the ignition OFF, (brake pedal not applied) then pressing and holding the push button start switch for at least 10 s will place the vehicle into Vehicle In Service Mode (Ignition ON without the engine running) and the green LED (Run/Start) will illuminate. Vehicle In Service Mode is used for service and diagnostics not requiring the operation of the gas engine. The vehicle will stay in Vehicle In Service mode until the vehicle is manually turned OFF.

With the ignition OFF (brake pedal applied), pressing the ignition mode switch button once, the vehicle will enter run/start mode and the green LED (Run/Start) will illuminate. This will start the engine. If the vehicle is left in PARK with the engine running and the transmitter out of the vehicle, the vehicle will automatically turn off after 1.5 hours. If the vehicle is left in PARK with the engine running and the transmitter in the vehicle, the vehicle will automatically turn OFF after 3 hours. The timer will stop when the vehicle is shifted out of PARK and the timer will reset after the vehicle is placed back in PARK with the engine running.

Both LED’s have the voltage supplied from the body control module (BCM). The ignition mode switch sends the ignition mode switch status to the passive entry passive start module (PEPS) and to the BCM. The PEPS module sends a redundant signal to the BCM with the ignition mode switch status.

Battery Saver Mode (Transport Mode)

Battery saver mode (transport mode) reduces the parasitic load of some modules during overseas shipment or during vehicle storage conditions. This improves the drain time on the battery (up to 70 days without the battery going dead). When a vehicle is in transport/storage, some features may have reduced functionality while in the battery saver mode, such as disabling keyless entry, afterblow, and content theft features. Battery saver mode is initiated by turning on the hazard flashers, applying the brake pedal, and then turning the ignition key to the start position or pushing the ignition mode switch with the foot on the brake for greater than 15 s. The mode is disengaged by repeating the previous process. The driver information center (if equipped) will display Transport Mode is On when battery saver mode is enabled and Transport Mode is OFF when battery saver mode is disabled. For vehicles not equipped with a driver information center, the battery indicator light will constantly flash on the Instrument Cluster when battery saver mode is enabled. This feature can be used as many times as necessary if the vehicle is to be stored for an extended period of time.

BCM Awake/Sleep States

The BCM is able to control or perform all of the BCM functions in the awake state. The BCM enters the sleep state when active control or normal monitoring of system functions has stopped and a time limit has passed. The BCM must detect certain wake-up inputs before entering the awake state. The BCM monitors for these inputs during the sleep state.

The BCM will enter the awake state if any of the following wake-up inputs are detected:

- Activity on the serial data line
- Detection of a battery reconnect
- Any door open signal
- Headlamps ON
- Key-in-ignition
- Ignition ON
- Park lamps ON
- Keyless entry or remote start message

The BCM will enter a sleep state when all of the following conditions exist:

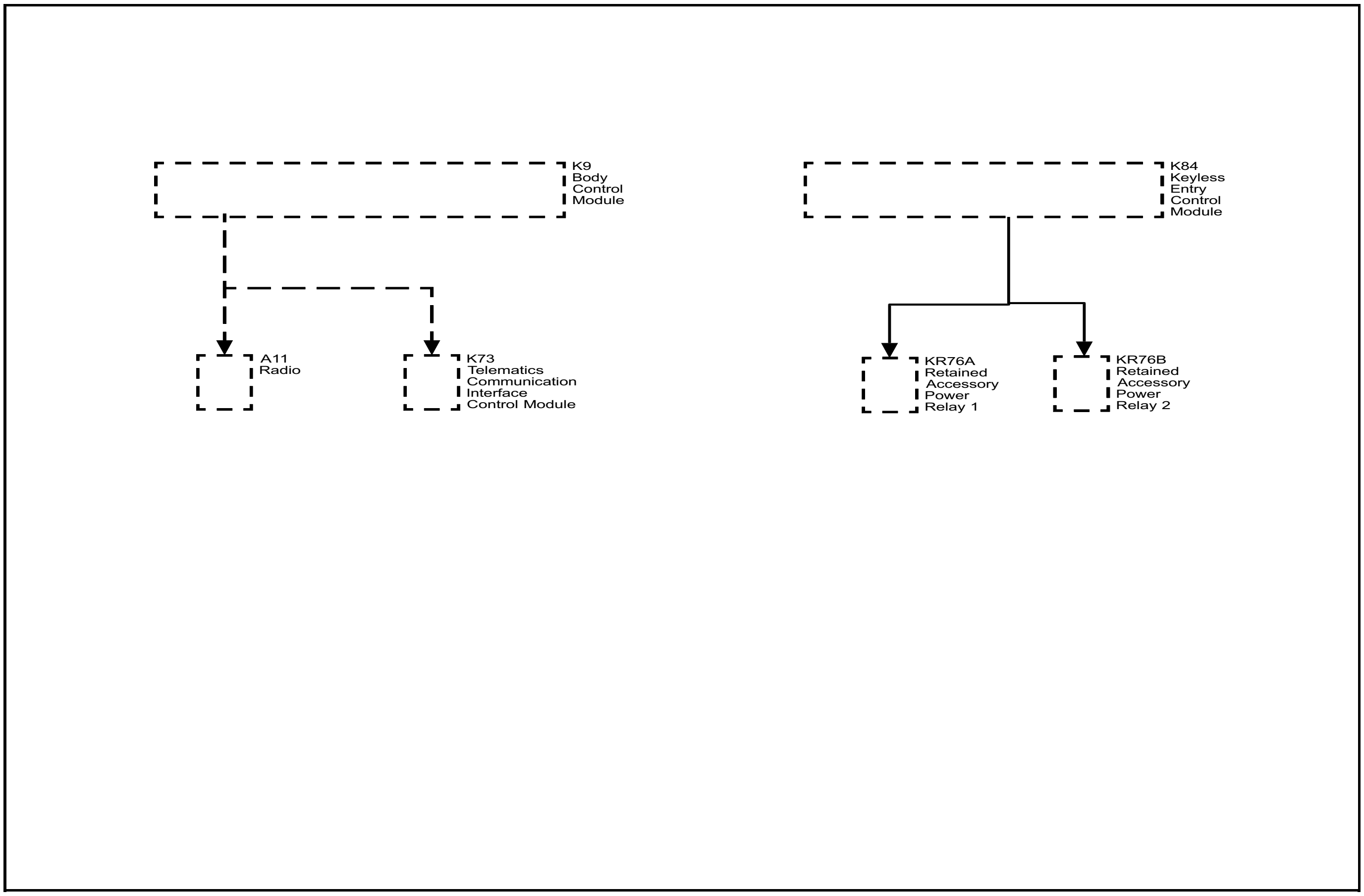
- The ignition switch is OFF, key out.
- Ignition OFF, transmitter is out of range
- No activity exists on the serial data line.
- No outputs are commanded.
- No delay timers are actively counting.
- No wake-up inputs are present.

If all these conditions are met, the BCM will enter a low power or sleep condition.

Retained Accessory Power Description and Operation (With BTM)

Retained Accessory Power

RAP D&O with BTM Block Diagram



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The body control module (BCM) monitors the ignition position, battery condition, and each door ajar/open switch status to determine whether the retained accessory power should be initiated or terminated. Retained accessory power is controlled by two different methods; retained accessory power relay coil control circuit and serial data. Some modules receive a retained accessory power message from the BCM over the serial data circuits. Serial data controlled retained accessory power is deactivated as required by their modules retained accessory power mode operation. Other subsystems may be activated directly by the BCM or by the BCM through a relay. Components and systems that are active in retained accessory power are also activated anytime the ignition is any position other than OFF regardless of the door switch signals.

Retained Accessory Power Relay Coil Control Circuit.

The BCM keeps the device or relay energized during all power modes, except Off-Awake and Crank. The device or relay is also energized for approximately 10 min after shutting the ignition OFF, providing no door is opened.

Relay controlled retained accessory power will end when one of the following conditions is met:

- The BCM receives an input from any door ajar or open switch indicating the opening of any door after the ignition key is out of the ignition.

  Note: If the BCM is receiving any door ajar or open signal from those switches when the ignition key is turned OFF, retained accessory power will not initiate.

- The BCM internal timer for the retained accessory power expires after approximately 10 min.
- The BCM detects a decrease in battery capacity below a prescribed limit.

Systems powered by the retained accessory power relay coil control circuit during the retained accessory power mode are as follows:

Note: The vehicle may not be equipped with all components as listed below.

- Accessory Power Receptacle
- Cigarette Lighter Receptacle
- Window Switches
- Sunroof Control Module
- Sunroof Switch

- Mobile Device Wireless Charger Module
- Mobile Telephone Control Module
- Traffic Data Receiver
- Transmission Shift Lever Position Indicator (w/ floor mounted console gear shift)
- Seat Heating Control Module

Serial Data Controlled Retained Accessory Power

Retained accessory power systems controlled by serial data are as follows:

Radio

Radio retained accessory power activation/termination is the same as relay operation with one exception; the only door switch that will turn off the radio during retained accessory power is the driver door open switch.

Vehicle Communication Interface Module (VCIM) (Onstar®) (If Equipped)

VCIM RAP activation/termination is the same as radio operation with 1 exception; if there is an active call when the ignition key is turned off the VCIM will remain in RAP mode, and keep the radio in RAP mode until the call is terminated.

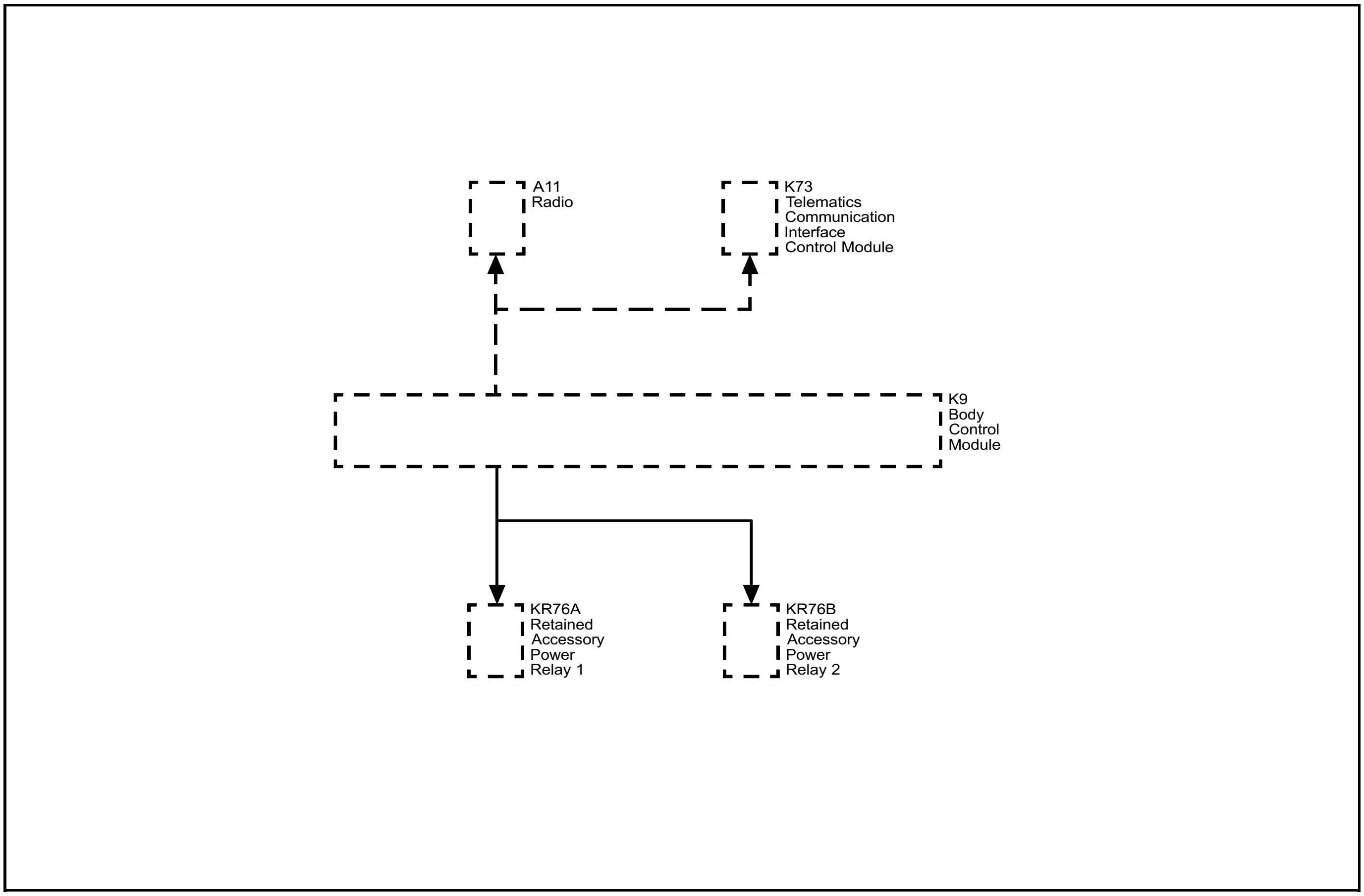
Interruptible Retained Accessory Power

The keyless entry control module controls components in the same manner as BCM relay controlled retained accessory power with one exception; interruptible retained accessory power is deactivated during transmitter authentication. The keyless entry control module will deactivate components that may cause radio frequency (RF) interference when the ignition mode switch is pressed or which may result in “NO REMOTE DETECTED” message displayed on the driver information center.

Retained Accessory Power Description and Operation (Without BTM)

Retained Accessory Power

RAP Description and Operation Block Diagram



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The body control module (BCM) monitors the ignition switch position, battery condition, and each door ajar/open switch status to determine whether the retained accessory power should be initiated or terminated. Retained accessory power is controlled by two different methods; relay control and serial data. Some modules receive a retained accessory power message from the BCM over the serial data circuits. Serial data controlled retained accessory power is deactivated as required by their modules retained accessory power mode operation. Other subsystems are activated directly by the BCM through a relay. Components and systems that are active in retained accessory power are also activated anytime the ignition is any position other than OFF regardless of the door switch signals.

Relay Controlled Retained Accessory Power

The BCM keeps the retained accessory power relay 1 and retained accessory power relay 2 energized during all power modes, except Off-Awake and Crank. The retained accessory power relay 1 and retained accessory power relay 2 are also energized for approximately 10 minutes after shutting the ignition OFF and removing the key, providing no door is opened.

Relay controlled retained accessory power will end when one of the following conditions is met:

- The BCM receives an input from any door ajar or open switch indicating the opening of any door after the ignition key is out of the ignition.

  Note: If the BCM is receiving any door ajar or open signal from those switches when the ignition key is turned OFF, retained accessory power will not initiate.

- The BCM internal timer for the retained accessory power expires after approximately 10 minutes.
- The BCM detects a decrease in battery capacity below a prescribed limit.

Systems powered by the retained accessory power relay 1 and retained accessory power relay 2 during the retained accessory power mode are as follows:

Note: The vehicle may not be equipped with all components as listed below.

- Accessory Power Receptacle
- Cigarette Lighter Receptacle
- Sunroof Control Module
- Sunroof Switch

- Sliding Rear Window Switch
- Mobile Device Wireless Charger Module

Serial Data Controlled Retained Accessory Power

Retained accessory power systems controlled by serial data are as follows:

Radio

Radio retained accessory power activation / termination is the same as relay operation with one exception; the only door switch that will turn off the radio during retained accessory power is the driver door open switch.

Vehicle Communication Interface Module (VCIM) (Onstar®) (If Equipped)

VCIM RAP activation/termination is the same as radio operation with 1 exception; if there is an active call when the ignition key is turned off the VCIM will remain in RAP mode, and keep the radio in RAP mode until the call is terminated.

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Section 4

Transmission

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    Shift Lock Control Schematics 4-4
  Description and Operation 4-5
    Automatic Transmission Shift Lock Control
      Description and Operation 4-5

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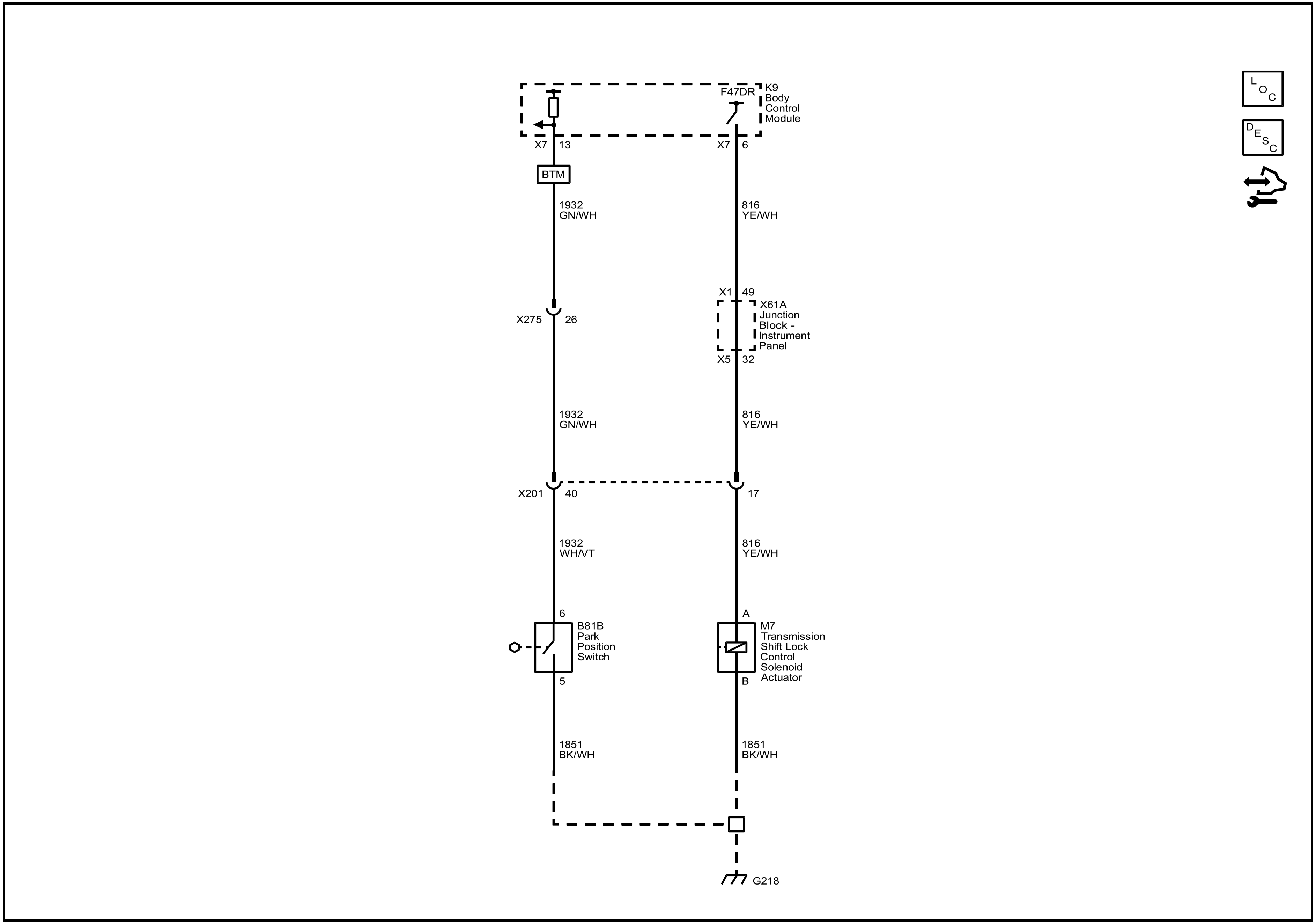
Shift Lock Control

Schematic and Routing Diagrams

Shift Lock Control Schematics (Shift Lock Control)


LOC
DESC
K9
Body
Control
Module
F47DR
X7 13
X7 6
BTM
1932
GN/WH
816
YE/WH
X1 49
X61A
Junction
Block -
Instrument
Panel
X5 32
X275 26
1932
GN/WH
816
YE/WH
X201 40
17
1932
WH/VT
816
YE/WH
6
B81B
Park
Position
Switch
5
A
M7
Transmission
Shift Lock
Control
Solenoid
Actuator
B
1851
BK/WH
1851
BK/WH
G218
4690846

Description and Operation

Automatic Transmission Shift Lock Control Description and Operation

The automatic transmission shift lock control system is a safety device that prevents an inadvertent shift out of PARK when the engine is running. The driver must press the brake pedal before moving the shift lever out of the PARK position. The system consists of the following components:

- The automatic transmission shift lock solenoid (serviced as the automatic transmission shift lock actuator), as well as the body control module (BCM) and the engine control module (ECM). The shift lock solenoid is located within the floor shift control assembly with vehicles equipped with floor shift.
- The BCM controls the voltage to the shift lock control solenoid through the shift lock control solenoid controlled voltage circuit. The following conditions must be met before the BCM will remove voltage from the shift lock solenoid:
  - The ignition is in the ON position.
  - The engine control module (ECM) sends an input via GMLAN serial data to the BCM indicating the transmission is in the PARK position.
  - The BCM determines the brake pedal is applied according the brake pedal position.

Since the shift lock control solenoid is permanently grounded, the BCM supplies voltage to the automatic transmission shift lock control solenoid, mechanically locking the shift lever in the PARK position as the solenoid energizes. When the brake pedal is applied, the BCM turns the control voltage output of the shift lock control solenoid OFF, de-energizing the shift lock control solenoid. The de-energized solenoid releases the mechanical lock allowing the driver to move the shift lever out of the PARK position. When the transmission is out of the PARK position, the shift lock control solenoid remains de-energized.

During remote start operation, the BCM will energize the shift lock control circuit, locking the shift lever in the PARK position.

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A

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